

Vermont Department of Health

**2002 Physician Survey**

**Statistical Report**



# 2002 Physician Survey

## Statistical Report

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## Acknowledgments

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We also wish to express our appreciation to all the physicians who took the time and effort to complete our survey.

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## Introduction

Since the health of Vermonters depends, in part, on access to health care, we need to measure the supply of health care providers, including their distribution by geography and specialty. In this report we present detailed profiles of physicians practicing in Vermont as of the end of the year 2002; these data can be used as the basis for policy analysis, shortage area designations, and recruitment and retention activities.

### Data Collection:

This report includes physicians (MDs) who renewed their license as of late 2002. A survey was included with the relicensing renewal form sent by the Vermont Board of Medical Practice (now part of the Department of Health) in the fall of 2002. A copy of the survey portion of the form is included in the Appendix. A confirmation mailing in the summer of 2003 gave the physicians an opportunity to complete and correct the survey information along with the on-line physician profile information. Follow-up mailings and phone calls were then made to those physicians residing in Vermont, or a neighboring state, who did not answer critical survey questions.

A separate board licenses doctors of Osteopathy (DO). Survey forms were mailed along with the relicensing forms in the fall of 2002. Follow-up telephone interviews were conducted, as needed. The data from the DO survey were combined with the MD survey data to produce this report.

Included in this report are physicians who provide patient care in Vermont. Excluded are the substantial number of physicians who maintain Vermont licenses even though they do not practice in Vermont. Federally employed physicians who do not provide patient care outside a federal facility are not required to maintain a Vermont license, and are therefore not included, unless they do have a Vermont license. Physicians participating in residency programs are not required to maintain a Vermont license, although some choose to do so. For consistency, all residents, clinical fellows and research fellows were excluded from this report.

Similar surveys were also conducted every two years from 1992 to 2000. Comparisons of the 2002 survey to the previous surveys are included in this report. Similar data are collected from other health professionals. Results from many of these surveys are available on the Department of Health web site, at <http://www.healthyvermonters.info> under "Publications".

### Limitations:

Information was obtained from all potentially active physicians, except one physician who refused to complete the survey and two who could not be located. Physicians who were in residency or fellowship training at the time are not included in this report. Work done on a *locum tenens* basis was not counted here either, this excluded 74 physicians. Another 19 physicians worked partly as *locum tenens* and partly not, their non-*locum-tenens* work is reported here. Physicians who worked partly in Vermont and partly elsewhere are reported here, but only their Vermont work is reported.

The surveys were reviewed for accuracy and consistency. Missing and/or inconsistent data items were evaluated as to their importance. Because of the delay in obtaining the survey information the follow-up was abbreviated. Non-critical missing data items are reported as missing. In those instances where critical information was missing, but the physician reported practicing the same specialty in the same town as in the 2000 survey, the missing data were replaced with information from the 2000 survey. In all other cases follow-up was conducted by phone.

In general, information for this report was self-reported and not further verified. Data in this report are, therefore, subject to the limitations associated with the use of mailed surveys. The possibility of misinterpretation of survey items is always present, and it is possible that a small number of inconsistencies have arisen from such occurrences.

In the 2002 survey the question on type of practice setting was revised in a way that led to unintended confusion. As a result, office-based settings could not be distinguished from hospital-based settings. Therefore in this report: (1) tables reporting practice settings have been dropped; and (2) tables which report on availability of care (e.g. whether the physician accepts new patients) include *all* settings and thus are not comparable to previous reports. In reports prior to 2002 availability of care was based on office settings only.

Detailed notes and definitions are included in the Appendices. Please contact us if you have any questions about the survey or the report. A public use database of the 2002 survey results is also available by calling or writing the Department of Health, Public Health Statistics, P.O. Box 70, Burlington, VT 05402, tel. (802) 863-7300.



## Summary of Active Physicians, 2002

- ◆ This report includes data reported by 1565 physicians providing patient care (residents and fellows are excluded from this report). This includes 1526 Medical Doctors and 39 Doctors of Osteopathy.
- ◆ 628 physicians provide mainly primary care, corresponding to 492.9 FTEs.
- ◆ 937 physicians provide mainly specialty care, corresponding to 722.1 FTEs.
- ◆ 57% of physicians provide 40 or more patient care hours per week, and another 16% provided 30 to 39 hours per week. (This does *not* include “on call” hours, administration, teaching, and research).
- ◆ In 5 of 14 counties, 10% or more of the primary care physicians are over age 60, and retirement is a future consideration. Windham County (17%), Windsor County (15%), and Franklin County (13%), may expect the largest turnover.
- ◆ 14% of specialists are over age 60. This includes 26% of ophthalmologists, 23% of pathologists, and 22% of general surgeons.
- ◆ 430 or 28% of Vermont physicians (38% of primary care physicians) are women. In 1996 22% of Vermont physicians (28% of primary care physicians) were women.
- ◆ 545 or 35% of Vermont’s physicians attended the University of Vermont’s College of Medicine and/or did a residency or fellowship there. 306 (20%) are graduates of the College of Medicine, 365 (23%) did a residency or fellowship there.
- ◆ Vermont saw a net increase of 43 primary care physicians (20.7 FTEs), and 42 specialty care physicians (44.6 FTEs), between 2000 and 2002. See the next page for a fuller comparison of data over the years 1994-2002.

## Comparison of Selected Physician Data, 1994-2002

	1994	1996	1998	2000	2002
Total active * physicians	1204	1384	1410	1480	1565
Percent female	22%	22%	24%	26%	28%
Primary care physicians	493	535	554	585	628
Family Practice	199	227	234	258	259
Internal Medicine	147	155	158	164	198
Ob/Gyn	61	63	62	64	68
Pediatric Primary Care	86	90	100	99	103
% accepting new patients @	88%	92%	87%	80%	83%
accepting new Medicaid patients @	82%	86%	81%	72%	75%
accepting new Medicare patients @	81%	87%	81%	73%	78%
Specialist physicians	711	849	856	895	937
Anesthesiology	51	60	58	59	73
Emergency Medicine	69	81	82	76	86
Internal Medicine	94	124	124	138	128
Pathology #	34	42	43	42	44
Psychiatry	130	152	142	154	146
Radiology	47	61	66	72	83
General Surgery	n.a. †	50	38	42	51
Orthopedic Surgery	48	50	53	55	60
Other Surgery	n.a. †	24	30	37	32
Other Specialties	170	205	220	220	234
Primary care physician FTEs	407.3	438.2	450.3	472.2	492.9
Family Practice	164.6	180.6	190.7	211.5	206.2
Internal Medicine	117.8	126.9	126.9	128.5	145.5
Ob/Gyn	50.8	55.1	51.8	53.3	59.1
Pediatric Primary Care	74.1	75.7	80.9	78.8	82.2
FTEs/100,000 population **	69.6	73.4	75.0	77.6	80.1
% of FTEs in Chittenden County	29%	30%	29%	28%	29%
Specialist physician FTEs #	555.7	623.3	651.7	677.5	722.1
Anesthesiology	48.4	56.4	56.3	56.4	69.1
Emergency Medicine	53.8	56.5	63.0	57.0	60.6
Internal Medicine	69.6	89.4	90.5	104.6	96.8
Psychiatry	90.8	104.1	110.6	117.5	115.7
Radiology	40.5	50.1	55.3	56.2	64.6
General Surgery	n.a. †	41.6	33.6	36.0	43.4
Orthopedic Surgery	46.0	46.7	48.8	49.9	50.0
Other Surgery	n.a. †	24.2	29.9	32.8	29.0
Other Specialties #	143.1	154.3	163.8	167.0	192.9
% of FTEs in Chittenden County	43%	42%	43%	43%	44%

\* providing patient care in Vermont

\*\* population estimates for 1994-1998 revised after 2000 census – see note 7.

† general and other surgery were not separable in the 1994 survey

@ % of sites not physicians, '02 not comparable with 94-00 – see notes 10 and 11.

# FTEs not computed for pathology

# Vermont Physicians Demographic Characteristics



Table 1 -- VT Physicians, 2002  
Summary of Active Physicians

TOTAL	1565	
Medical Doctor (MD)	1526	( 98%)
Doctor of Osteopathy (DO)	39	( 2%)
Main specialty:		
Primary Care Total	628	( 40%)
Family Practice	259	( 17%)
Primary Care Internal Medicine	198	( 13%)
Obstetrics and Gynecology	68	( 4%)
Pediatrics	103	( 7%)
Specialty Care Total	937	( 60%)
Anesthesiology	73	( 5%)
Emergency Medicine	86	( 5%)
Internal Medicine Specialties	128	( 8%)
Neurology	38	( 2%)
Ophthalmology	47	( 3%)
Pathology	44	( 3%)
Psychiatry	146	( 9%)
Radiology	83	( 5%)
Surgery: General	51	( 3%)
Surgery: Orthopedic	60	( 4%)
Surgery: Other	32	( 2%)
Urology	25	( 2%)
Other Specialties	124	( 8%)
Age groups:		
Younger than 35	94	( 6%)
35 - 44	505	( 32%)
45 - 54	592	( 38%)
55 - 64	292	( 19%)
65 and older	81	( 5%)
unknown *	1	
Gender:		
Male	1133	( 72%)
Female	430	( 28%)
unknown *	2	
Patient care hours:		
40 or more hours/week	890	( 57%)
30 to 39 hours/week	249	( 16%)
Less than 30 hours/week	426	( 27%)
Number of practice sites:		
One	1213	( 78%)
Two	263	( 17%)
Three or more	89	( 6%)

\* unknowns are excluded from the percentages

Table 2 -- VT Physicians, 2002  
Age by Specialty and by Gender

	Total	Number in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	1565	94	196	309	348	244	189	103	81	12%
MALES	1133	48	121	203	236	186	163	98	77	15%
FEMALES	430	45	74	106	112	58	26	5	4	2%
PRIMARY CARE	628	57	83	119	148	94	73	32	22	9%
Family Practice	259	18	37	58	74	33	29	6	4	4%
Internal Medicine	198	25	23	30	40	27	25	17	11	14%
Ob/Gyn	68	2	8	17	11	13	10	5	2	10%
Pediatrics	103	12	15	14	23	21	9	4	5	9%
SPECIALTY CARE	937	37	113	190	200	150	116	71	59	14%
Anesthesiology	73	2	15	14	20	8	9	1	3	5%
Emergency Medicine	86	6	10	25	19	16	8	2	0	2%
Internal Medicine	128	3	14	32	28	23	12	7	9	13%
Neurology	38	1	5	6	8	7	6	3	2	13%
Ophthalmology	47	3	2	6	11	4	9	7	5	26%
Pathology	44	3	9	4	6	7	5	7	3	23%
Psychiatry	146	6	8	21	30	28	31	13	9	15%
Radiology	83	3	10	18	15	16	8	7	6	16%
Surgery: General	51	1	11	8	10	5	5	8	3	22%
Surgery: Orthopedic	60	1	9	14	10	8	9	6	3	15%
Surgery: Other	32	1	4	6	8	4	3	1	5	19%
Urology	25	2	3	10	4	3	2	1	0	4%
Other Specialties	124	5	13	26	31	21	9	8	11	15%

  

	Total	Percent in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	100%	6%	13%	20%	22%	16%	12%	7%	5%	12%
MALES	100%	4%	11%	18%	21%	16%	14%	9%	7%	15%
FEMALES	100%	10%	17%	25%	26%	13%	6%	1%	1%	2%
PRIMARY CARE	100%	9%	13%	19%	24%	15%	12%	5%	4%	9%
SPECIALTY CARE	100%	4%	12%	20%	21%	16%	12%	8%	6%	14%

The 'Total' column includes one physician with unknown age.  
The 'TOTAL' line includes two physicians with unknown gender.  
See Note 1 for a description of the calculation of age.

Table 3 -- VT Physicians, 2002  
Age by Specialty for Each Gender

Specialty	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
TOTAL	1565	94	505	592	189	103	81	12%
MALES	1133	48	324	422	163	98	77	15%
PRIMARY CARE	389	22	101	152	63	30	21	13%
Family Practice	162	6	47	73	26	6	4	6%
Internal Medicine	143	13	36	46	22	16	10	18%
Ob/Gyn	36	1	5	14	9	5	2	19%
Pediatrics	48	2	13	19	6	3	5	17%
SPECIALTY CARE	744	26	223	270	100	68	56	17%
Anesthesiology	61	2	24	24	7	0	3	5%
Emergency Medicine	68	6	25	29	6	2	0	3%
Internal Medicine	108	1	37	44	10	7	9	15%
Neurology	32	1	9	11	6	3	2	16%
Ophthalmology	40	2	6	12	8	7	5	30%
Pathology	28	2	4	10	3	7	2	32%
Psychiatry	96	3	18	31	26	11	7	19%
Radiology	66	2	19	24	8	7	6	20%
Surgery: General	45	1	16	12	5	8	3	24%
Surgery: Orthopedic	56	1	21	16	9	6	3	16%
Surgery: Other	30	0	10	11	3	1	5	20%
Urology	22	1	11	7	2	1	0	5%
Other Specialties	92	4	23	39	7	8	11	21%
FEMALES	430	45	180	170	26	5	4	2%
PRIMARY CARE	237	34	100	90	10	2	1	1%
Family Practice	97	12	48	34	3	0	0	0%
Internal Medicine	54	12	16	21	3	1	1	4%
Ob/Gyn	32	1	20	10	1	0	0	0%
Pediatrics	54	9	16	25	3	1	0	2%
SPECIALTY CARE	193	11	80	80	16	3	3	3%
Anesthesiology	12	0	5	4	2	1	0	8%
Emergency Medicine	18	0	10	6	2	0	0	0%
Internal Medicine	20	2	9	7	2	0	0	0%
Neurology	6	0	2	4	0	0	0	0%
Ophthalmology	7	1	2	3	1	0	0	0%
Pathology	16	1	9	3	2	0	1	6%
Psychiatry	50	3	11	27	5	2	2	8%
Radiology	17	1	9	7	0	0	0	0%
Surgery: General	6	0	3	3	0	0	0	0%
Surgery: Orthopedic	4	0	2	2	0	0	0	0%
Surgery: Other	2	1	0	1	0	0	0	0%
Urology	3	1	2	0	0	0	0	0%
Other Specialties	32	1	16	13	2	0	0	0%

The 'Total' column includes one physician with unknown age.  
The 'TOTAL' row includes two physicians with unknown gender.  
See Note 1 for a description of the calculation of age.

Table 4 -- VT Physicians, 2002  
Age by County

County	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
STATEWIDE TOTAL								
Total	1565	94	505	592	189	103	81	12%
Primary Care	628	57	202	242	73	32	22	9%
Specialists	937	37	303	350	116	71	59	14%
Addison County								
Primary Care	40	0	18	11	7	2	2	10%
Specialists	24	1	11	10	1	1	0	4%
Bennington County								
Primary Care	45	3	14	21	2	3	2	11%
Specialists	76	5	28	17	11	8	7	20%
Caledonia County								
Primary Care	26	2	5	13	4	1	1	8%
Specialists	28	4	6	12	1	4	1	18%
Chittenden County								
Primary Care	189	23	63	79	15	4	5	5%
Specialists	404	17	150	145	50	21	21	10%
Essex County								
Primary Care	4	0	3	1	0	0	0	0%
Specialists	0	0	0	0	0	0	0	.
Franklin County								
Primary Care	30	1	13	12	0	4	0	13%
Specialists	36	2	13	15	3	0	2	6%
Grand Isle County								
Primary Care	1	0	0	0	1	0	0	0%
Specialists	0	0	0	0	0	0	0	.
Lamoille County								
Primary Care	24	0	6	9	7	1	1	8%
Specialists	17	1	4	7	2	1	2	18%
Orange County								
Primary Care	22	3	6	8	3	1	1	9%
Specialists	22	0	6	7	4	2	3	23%
Orleans County								
Primary Care	18	5	3	7	3	0	0	0%
Specialists	24	0	8	12	4	0	0	0%
Rutland County								
Primary Care	50	8	19	13	6	2	2	8%
Specialists	80	0	26	33	6	9	6	19%
Washington County								
Primary Care	50	7	10	22	9	1	1	4%
Specialists	76	1	24	31	11	9	0	12%
Windham County								
Primary Care	54	0	15	24	6	7	2	17%
Specialists	72	2	9	33	10	9	9	25%
Windsor County								
Primary Care	75	5	27	22	10	6	5	15%
Specialists	78	4	18	28	13	7	8	19%

Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (see Note 2). The 'Total' column includes one physician with unknown age (see Note 1).



Table 5 -- VT Physicians, 2002  
Gender by County

County	Total	Males		Females	
STATEWIDE TOTAL					
Total	1565	1133	(72%)	430	(28%)
Primary Care	628	389	(62%)	237	(38%)
Specialists	937	744	(79%)	193	(21%)
Addison County					
Primary Care	40	25	(63%)	15	(38%)
Specialists	24	20	(83%)	4	(17%)
Bennington County					
Primary Care	45	29	(66%)	15	(34%)
Specialists	76	63	(83%)	13	(17%)
Caledonia County					
Primary Care	26	16	(62%)	10	(38%)
Specialists	28	25	(89%)	3	(11%)
Chittenden County					
Primary Care	189	103	(55%)	85	(45%)
Specialists	404	297	(74%)	107	(26%)
Essex County					
Primary Care	4	3	(75%)	1	(25%)
Specialists	0				
Franklin County					
Primary Care	30	17	(57%)	13	(43%)
Specialists	36	32	(89%)	4	(11%)
Grand Isle County					
Primary Care	1	1		0	
Specialists	0				
Lamoille County					
Primary Care	24	16	(67%)	8	(33%)
Specialists	17	13	(76%)	4	(24%)
Orange County					
Primary Care	22	14	(64%)	8	(36%)
Specialists	22	19	(86%)	3	(14%)
Orleans County					
Primary Care	18	12	(67%)	6	(33%)
Specialists	24	19	(79%)	5	(21%)
Rutland County					
Primary Care	50	38	(76%)	12	(24%)
Specialists	80	67	(84%)	13	(16%)
Washington County					
Primary Care	50	31	(62%)	19	(38%)
Specialists	76	64	(84%)	12	(16%)
Windham County					
Primary Care	54	37	(69%)	17	(31%)
Specialists	72	59	(82%)	13	(18%)
Windsor County					
Primary Care	75	47	(63%)	28	(37%)
Specialists	78	66	(85%)	12	(15%)

Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (see Note 2). The gender of 2 physicians is unknown.

Table 6 -- VT Physicians, 2002  
Years in Clinical Practice

Time since started	Anywhere	In Vermont
Less than a year	41 ( 3%)	82 ( 5%)
1 or 2 years	103 ( 7%)	211 ( 14%)
3 or 4 years	84 ( 5%)	157 ( 10%)
5 to 9 years	272 ( 18%)	305 ( 20%)
10 to 14 years	281 ( 18%)	267 ( 17%)
15 to 19 years	258 ( 17%)	174 ( 11%)
20 to 24 years	187 ( 12%)	141 ( 9%)
25 to 29 years	181 ( 12%)	141 ( 9%)
30 years or more	140 ( 9%)	63 ( 4%)
unknown	18	24
Total	1565	1565
Median years:	14	10

# Vermont Physicians Distribution of Full Time Equivalents (FTEs)



Table 7 -- VT Physicians, 2002  
Full Time Equivalents (FTEs) by Age by Specialty and Gender

	Total	FTEs in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	1215.0	72.9	151.6	256.7	268.0	181.2	155.9	79.6	48.1	11%
MALES	897.6	37.7	100.3	178.5	180.3	140.8	137.9	75.8	45.2	13%
FEMALES	316.2	35.1	50.3	78.2	87.7	40.5	18.0	3.7	2.9	2%
PRIMARY CARE	492.9	43.6	64.8	95.7	113.4	72.4	61.5	26.6	15.0	8%
Family Practice	206.2	14.2	28.5	45.6	57.0	27.3	25.2	5.0	3.5	4%
Internal Medicine	145.5	17.6	17.3	20.9	30.0	17.9	20.1	14.7	6.9	15%
Ob/Gyn	59.1	2.0	7.2	15.5	8.9	10.8	9.0	4.0	1.8	10%
Pediatrics	82.2	9.7	11.9	13.7	17.6	16.4	7.2	2.8	2.8	7%
SPECIALTY CARE	722.1	29.4	86.8	161.0	154.6	108.8	94.4	53.0	33.1	12%
Anesthesiology	69.1	2.0	14.7	13.7	19.4	7.2	8.0	1.0	2.1	5%
Emergency Medicine	60.6	5.6	7.3	17.4	10.7	10.8	7.3	1.5	.	2%
Internal Medicine	96.8	2.4	9.7	29.8	17.3	15.5	10.7	6.7	4.7	12%
Neurology	28.1	<.05	3.6	6.1	4.5	4.5	4.9	3.0	1.6	16%
Ophthalmology	39.4	3.0	1.7	6.0	8.4	4.0	6.8	5.5	4.0	24%
Psychiatry	115.7	6.0	4.9	17.9	24.0	23.2	25.3	9.4	5.1	13%
Radiology	64.6	1.3	9.5	14.6	13.5	12.1	5.1	5.1	3.4	13%
Surgery: General	43.4	.8	9.9	7.2	8.7	3.3	5.0	7.5	1.1	20%
Surgery: Orthopedic	50.0	.6	7.2	11.5	8.8	6.9	7.8	4.9	2.3	14%
Surgery: Other	29.0	1.2	4.1	5.8	8.0	3.3	2.9	1.5	2.3	13%
Urology	22.6	2.0	2.7	9.2	4.0	2.3	1.5	1.0	.	4%
Other Specialties	102.7	4.5	11.6	21.8	27.2	15.8	9.2	6.2	6.4	12%
	Total	% of total FTEs in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	100%	6%	12%	21%	22%	15%	13%	7%	4%	11%
MALES	100%	4%	11%	20%	20%	16%	15%	8%	5%	13%
FEMALES	100%	11%	16%	25%	28%	13%	6%	1%	1%	2%
PRIMARY CARE	100%	9%	13%	19%	23%	15%	12%	5%	3%	8%
SPECIALTY CARE	100%	4%	12%	22%	21%	15%	13%	7%	5%	12%

The 'Total' column includes 1.0 FTEs with unknown ages (see Note 1).  
The MALES and FEMALES lines exclude 1.2 FTEs with unknown gender.  
Pathologists are excluded from this table (see Note 3).

Table 8 -- VT Physicians, 2002  
Full Time Equivalents (FTEs) by Age by County

County	Total	FTEs in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
STATEWIDE TOTAL								
Total	1215.0	72.9	408.3	449.2	155.9	79.6	48.1	11%
Primary Care	492.9	43.6	160.5	185.8	61.5	26.6	15.0	8%
Specialists	722.1	29.4	247.8	263.4	94.4	53.0	33.1	12%
Addison County								
Primary Care	32.2	.	14.7	7.0	6.6	2.0	2.0	12%
Specialists	17.8	1.0	9.1	5.6	1.5	.6	<.05	3%
Bennington County								
Primary Care	35.6	2.3	11.5	16.0	2.0	2.7	1.1	11%
Specialists	58.2	3.8	22.7	13.1	7.8	6.8	4.0	19%
Caledonia County								
Primary Care	21.6	1.6	4.6	10.6	3.8	<.05	1.0	5%
Specialists	18.7	2.6	3.2	8.7	.9	3.2	.1	18%
Chittenden County								
Primary Care	144.1	16.1	48.2	60.5	12.7	3.1	3.5	5%
Specialists	318.7	13.9	122.3	114.7	40.8	15.3	11.8	8%
Essex County								
Primary Care	2.9	.	2.6	.3	.	.	.	.
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	27.0	.9	11.3	10.9	<.05	4.0	.	15%
Specialists	32.2	2.0	13.4	11.9	3.0	.	.9	3%
Grand Isle County								
Primary Care	.9	.	.	.	.9	<.05	.	2%
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	17.7	.	4.5	7.4	4.6	.7	.4	7%
Specialists	16.6	1.0	5.7	6.1	1.6	.8	1.4	13%
Orange County								
Primary Care	16.2	1.6	5.0	7.1	1.8	.4	.4	5%
Specialists	17.4	.	4.6	3.9	4.6	2.4	1.9	25%
Orleans County								
Primary Care	17.3	4.8	3.1	6.9	2.4	.	.	.
Specialists	19.5	.3	6.9	8.5	3.9	.	.	.
Rutland County								
Primary Care	44.4	6.0	17.2	11.6	5.8	2.3	1.5	9%
Specialists	66.1	.	21.6	28.2	5.3	7.4	3.6	17%
Washington County								
Primary Care	46.0	6.2	9.3	19.8	8.9	1.0	.8	4%
Specialists	63.7	1.0	19.0	27.3	9.2	7.1	.1	11%
Windham County								
Primary Care	37.8	.	9.8	15.9	5.4	6.1	.6	18%
Specialists	49.4	1.8	7.3	20.4	8.2	6.1	5.6	24%
Windsor County								
Primary Care	49.1	4.1	18.9	11.7	6.6	4.2	3.6	16%
Specialists	43.7	2.1	11.9	15.1	7.7	3.3	3.6	16%

The 'Total' column includes 1.0 FTEs with unknown ages (see Note 1).  
Pathologists are excluded from this table (see Note 3).  
See Note 4 regarding calculation of hours and FTEs by county.

Table 9 -- VT Physicians, 2002  
Numbers of Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	1523 1215.0 58641	660 492.9 23020	956 722.1 35620
Addison County	84 50.1 2243	41 32.2 1461	46 17.8 782
Bennington County	131 93.8 4369	53 35.6 1624	85 58.2 2745
Caledonia County	66 40.3 1893	27 21.6 1003	41 18.7 890
Chittenden County	592 462.8 22690	204 144.1 6642	424 318.7 16048
Essex County	5 2.9 136	5 2.9 136	. . . .
Franklin County	93 59.2 2832	34 27.0 1275	60 32.2 1557
Grand Isle County	2 .9 38	2 .9 38	. . . .
Lamoille County	71 34.4 1774	27 17.7 878	47 16.6 896
Orange County	58 33.6 1521	26 16.2 751	37 17.4 771
Orleans County	52 36.8 1816	24 17.3 824	32 19.5 992
Rutland County	154 110.6 5649	56 44.4 2220	105 66.1 3429
Washington County	146 109.7 5118	53 46.0 2031	96 63.7 3087
Windham County	133 87.1 4232	55 37.8 1893	84 49.4 2339
Windsor County	164 92.8 4331	82 49.1 2246	93 43.7 2085

In this table physicians may be counted more than once  
(see notes 4 and 5).  
Pathologists are excluded from this table (see Note 3).

Table 10 -- VT Physicians, 2002  
Numbers of Primary Care Physicians, Full Time Equivalents  
(FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	660 492.9 23020	269 206.2 9511	221 145.5 6990	73 59.1 2867	118 82.2 3653
Addison County	41 32.2 1461	22 18.1 789	6 3.6 179	4 3.9 196	11 6.7 297
Bennington County	53 35.6 1624	22 14.6 654	18 11.2 538	9 5.8 255	5 4.0 177
Caledonia County	27 21.6 1003	12 9.1 455	7 5.5 254	3 2.7 108	7 4.3 185
Chittenden County	204 144.1 6642	67 47.2 2059	75 51.5 2410	26 18.5 976	39 26.9 1197
Essex County	5 2.9 136	2 1.7 69	2 .8 46	. . . .	3 .4 20
Franklin County	34 27.0 1275	10 8.2 374	11 7.7 375	4 4.0 180	9 7.2 346
Grand Isle County	2 .9 38	1 .9 37	. . . .	. . . .	1 <.05 1
Lamoille County	27 17.7 878	19 13.3 634	4 1.8 107	2 1.5 70	2 1.2 67
Orange County	26 16.2 751	8 4.5 191	9 4.4 210	5 3.2 155	9 4.2 195
Orleans County	24 17.3 824	8 5.8 286	12 6.6 334	2 2.0 80	5 2.9 124
Rutland County	56 44.4 2220	30 22.7 1100	15 10.3 588	5 4.7 223	9 6.7 308
Washington County	53 46.0 2031	26 22.0 1013	16 13.0 542	7 6.0 277	6 5.0 200
Windham County	55 37.8 1893	27 20.0 1042	16 8.5 429	4 3.6 192	9 5.8 231
Windsor County	82 49.1 2246	26 18.0 808	40 20.6 978	6 3.4 155	11 7.1 305

In this table physicians may be counted more than once (see Notes 4 and 5).  
See Note 6 for description of OB/GYN classification.



Table 11 -- VT Physicians, 2002  
Numbers of Specialty Care Physicians, Full Time Equivalents  
(FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTHES- IOLOGY.	EMERGENCY MEDICINE	INTERNAL MEDICINE	NEUROLOGY	OPHTHALM- OLOGY	PSYCHIATRY
STATEWIDE TOTAL	956 722.1 35620	77 69.1 3602	92 60.6 2543	153 96.8 5008	40 28.1 1358	47 39.4 1747	150 115.7 5278
Addison County	46 17.8 782	1 1.0 48	8 3.0 118	11 1.6 88	3 .2 9	2 .8 34	5 2.5 101
Bennington County	85 58.2 2745	4 3.8 160	8 6.3 262	17 10.0 493	5 3.6 149	7 4.6 223	11 7.9 368
Caledonia County	41 18.7 890	1 1.0 66	8 3.2 148	5 .3 20	2 .3 12	2 1.7 80	4 1.8 72
Chittenden County	424 318.7 16048	35 30.4 1551	23 12.8 541	82 56.7 2942	14 11.4 584	20 18.3 827	62 43.7 2031
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	60 32.2 1557	6 5.8 292	7 4.5 183	17 1.1 51	3 .2 12	2 1.5 60	4 3.0 132
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	47 16.6 896	5 3.4 182	5 4.3 198	9 1.3 73	1 1.0 40	4 .4 17	5 1.6 69
Orange County	37 17.4 771	2 2.0 84	7 3.1 129	5 .4 18	3 1.1 54	2 1.8 75	7 2.2 87
Orleans County	32 19.5 992	2 2.0 172	5 3.5 148	4 .6 25	1 1.0 40	1 1.0 49	5 2.1 86
Rutland County	105 66.1 3429	3 3.0 210	16 8.4 348	24 9.2 520	5 2.0 85	7 4.1 163	10 7.1 337
Washington County	96 63.7 3087	8 8.0 375	9 7.2 289	16 7.9 398	5 3.6 202	4 2.2 88	21 15.1 694
Windham County	84 49.4 2339	6 4.2 236	5 2.7 116	12 4.4 217	7 2.3 101	2 1.6 65	25 16.1 747
Windsor County	93 43.7 2085	7 4.6 226	3 1.6 64	13 3.3 163	4 1.3 72	2 1.4 66	23 12.7 555

(continued on next page)

Table 11 (continued) -- VT Physicians, 2002  
Numbers of Specialty Care Physicians, Full Time Equivalents  
(FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	RADIOLOGY	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATEWIDE TOTAL	956 722.1 35620	84 64.6 3093	53 43.4 2397	63 50.0 2661	43 29.0 1589	25 22.6 1201	176 102.7 5143
Addison County	46 17.8 782	3 2.6 102	2 1.1 44	2 2.0 110	1 1.0 40	4 .7 28	4 1.4 61
Bennington County	85 58.2 2745	9 5.5 226	3 2.2 144	6 4.0 196	4 2.8 158	3 2.6 130	13 4.8 238
Caledonia County	41 18.7 890	4 1.6 91	3 2.8 131	2 2.0 104	2 .4 15	2 2.0 80	7 1.7 72
Chittenden County	424 318.7 16048	38 31.6 1526	16 12.5 777	21 18.1 951	23 18.5 1031	12 7.0 391	100 57.7 2896
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	60 32.2 1557	3 3.0 159	5 5.0 251	4 3.7 188	. . . . .	4 1.5 93	6 3.0 135
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	47 16.6 896	4 .8 55	1 1.0 75	5 2.3 164	. . . . .	3 .3 13	5 .2 10
Orange County	37 17.4 771	1 1.0 45	3 2.3 101	1 .9 60	1 .2 9	1 1.0 38	5 1.5 70
Orleans County	32 19.5 992	2 2.0 129	2 1.9 100	1 1.0 40	2 .1 4	1 1.0 38	7 3.3 160
Rutland County	105 66.1 3429	7 5.9 304	2 1.6 110	8 5.5 293	9 5.7 313	1 1.0 68	19 12.6 680
Washington County	96 63.7 3087	4 3.1 138	6 5.8 323	5 3.2 204	4 .1 3	2 2.0 124	13 5.6 250
Windham County	84 49.4 2339	7 4.4 187	4 3.5 159	9 4.8 221	3 .3 16	2 1.0 70	10 4.1 204
Windsor County	93 43.7 2085	10 3.1 130	7 3.8 183	5 2.5 131	. . . . .	4 2.7 128	16 6.8 366

In this table physicians may be counted more than once (see Note 4).  
Pathologists are excluded from this table (see Note 3).

Table 12 -- VT Physicians, 2002  
Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
to Population, by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	492.92	615,611	80.07	1249
Addison County	32.23	36,550	88.19	1134
Bennington County	35.59	37,245	95.56	1046
Caledonia County	21.62	29,977	72.13	1386
Chittenden County	144.11	148,273	97.19	1029
Essex County	2.89	6,482	44.52	2246
Franklin County	27.04	46,359	58.32	1715
Grand Isle County	.94	7,195	13.05	7660
Lamoille County	17.72	23,840	74.33	1345
Orange County	16.21	28,568	56.76	1762
Orleans County	17.27	26,649	64.81	1543
Rutland County	44.42	63,516	69.94	1430
Washington County	46.00	58,328	78.86	1268
Windham County	37.76	44,542	84.78	1179
Windsor County	49.10	58,087	84.53	1183

Only primary care physicians are included in this table.  
An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
The FTEs are rounded to 2 digits for display only.  
The ratios were calculated using the unrounded values,  
then rounded in turn to 2 digits for display.

Population estimates are for 2002, as provided by Claritas (Note 7).  
(Also see Notes 4 and 5.)

Table 13 -- VT Physicians, 2002  
Detailed Specialty List

Count of Physicians Working in Specialty

SPECIALTY GROUP Specialty	As Main Specialty	As Secondary Specialty	FTEs
TOTAL	1565		
--- PRIMARY CARE ---			
FAMILY PRACTICE			
Family Practice	241	7	192.2
General Practice	8	0	5.3
Osteopathic Medicine (general)	10	6	8.7
INTERNAL MEDICINE (PRIMARY)			
Geriatric Internal Medicine	2	12	4.4
Internal Medicine	196	20	141.1
OB/GYN			
Gynecology	3	0	2.8
Obstetrics	3	0	2.6
Obstetrics & Gynecology	62	5	53.7
PEDIATRICS (PRIMARY)			
Adolescent Medicine (Pediatrics)	1	5	1.2
Pediatrics (general)	102	16	80.9
--- SPECIALTY CARE ---			
ANESTHESIOLOGY			
Anesthesiology	65	8	61.6
Critical Care Medicine (Anesthes.)	0	1	.2
Pain Management	8	11	7.3
EMERGENCY MEDICINE			
Emergency Medicine	86	6	60.5
Emergency Medicine: Sports	0	1	.1
INTERNAL MEDICINE (SPECIALTY)			
Cardiac Electrophysiology	2	1	1.8
Cardiovascular Disease	40	7	32.3
Critical Care Internal Medicine	0	1	.2
Endocrinology Diabetes & Metabol.	6	4	5.8
Gastroenterology	19	2	16.2
Hematology (Internal Medicine)	0	3	.6
Infectious Disease	6	4	5.4
Medical Oncology	25	1	15.8
Nephrology	7	2	4.8
Pulmonary Disease	11	6	6.9
Rheumatology	12	1	7.0
NEUROLOGY			
Child Neurology	3	0	1.7
Clinical Neurophysiology	2	5	2.2
Neurology	33	3	24.3

continued...

Table 13 -- VT Physicians, 2002  
Detailed Specialty List (continued)

Count of Physicians Working in Specialty			
SPECIALTY GROUP Specialty	As Main Specialty	As Secondary Specialty	FTEs
OPHTHALMOLOGY			
Ophthalmology	45	1	37.7
Pediatric Ophthalmology	2	0	1.8
PATHOLOGY			
Anatomic & Clinical Pathology	22	2	20.1
Anatomic Pathology	7	0	6.3
Chemical Pathology	2	0	1.8
Clinical Pathology	2	0	1.6
Cytopathology	1	1	1.4
Dermatopathology (Pathology)	3	2	2.5
Forensic Pathology	1	0	1.0
Hematology (Pathology)	5	14	5.9
Neuropathology	1	0	.4
Pediatric Pathology	0	1	.4
PSYCHIATRY			
Addiction Medicine	0	3	1.0
Addiction Psychiatry	3	3	2.6
Child & Adolescent Psychiatry	23	5	14.5
Forensic Psychiatry	2	4	2.6
Geriatric Psychiatry	2	4	1.7
Psychiatry	115	11	92.4
Psychoanalysis	1	1	1.0
RADIOLOGY			
Diagnostic Radiology	52	4	40.3
Nuclear Radiology	1	6	1.0
Pediatric Radiology	1	1	1.1
Radiation Oncology	10	0	6.9
Radiology	15	0	11.6
Vascular/Interventional Radiology	4	4	3.7
SURGERY: GENERAL			
General Surgery	51	2	43.4
SURGERY: ORTHOPEDIC			
Hand Surgery (Orthopedic)	1	1	1.1
Orthopedic Surgery	57	1	45.1
Orthopedic Surgery Of The Spine	1	1	1.4
Orthopedic Surgery: Sports	0	4	1.0
Orthopedic Trauma	1	0	.3
Pediatric Orthopedics	0	2	.5
Traumatic Surgery	0	2	.7

continued...

Table 13 -- VT Physicians, 2002  
Detailed Specialty List (continued)

Count of Physicians Working in Specialty			
SPECIALTY GROUP Specialty	As Main Specialty	As Secondary Specialty	FTEs
SURGERY: OTHER			
Abdominal Surgery	1	0	.8
Cardiovascular Surgery	3	1	3.2
Colon & Rectal Surgery	0	1	.5
General Vascular Surgery	13	2	11.6
Head & Neck Surgery	1	2	.4
Neurological Surgery	9	0	6.7
Oral & Maxillofacial Surgery	1	1	1.0
Pediatric Surgery	2	1	2.0
Surgery Of The Hand	1	0	.8
Surgical Critical Care	0	5	1.1
Thoracic Surgery	1	3	1.0
UROLOGY			
Urology	25	0	22.6
OTHER SPECIALTIES			
Acupuncture	0	1	.3
Aerospace Medicine	0	2	.3
Allergy	0	1	<.05
Allergy & Immunology	7	1	5.5
Children With Special Health Needs	3	4	3.0
Clinical Genetics	1	0	.8
Critical Care Medicine	3	8	4.3
Dermatology	19	0	15.6
Family Medicine: Sports	0	1	.1
Gynecologic Oncology	3	0	2.6
Hand Surgery (Plastic)	2	8	4.5
Hepatology	1	0	.5
Immunology	0	1	.1
Internal Medicine: Sports	2	10	2.9
Legal Medicine	0	1	.2
Maternal & Fetal Medicine	6	1	3.2
Neonatal-perinatal Medicine	4	0	4.0
Occupational Medicine	6	2	4.2
Otolaryngology	19	2	16.5
Pediatric Cardiology	5	0	3.1
Pediatric Critical Care Medicine	1	3	1.3
Pediatric Endocrinology	0	1	<.05
Pediatric Hematology-oncology	3	0	2.1
Pediatric Infectious Disease	1	1	.8
Pediatric Nephrology	1	0	.8
Pediatric Pulmonology	1	1	.9
Pediatric Rheumatology	1	0	.3
Pediatric Sports Medicine	0	2	.3
Physical Medicine & Rehabilitation	11	2	9.3
Plastic Surgery	7	0	5.2
Preventive Medicine	4	0	2.2
Reproductive Endocrinology	3	3	1.9
Sleep Medicine	5	3	1.7
Unlisted Specialty	5	3	4.2

# Vermont Physicians' Training





Table 14 -- VT Physicians, 2002  
Medical School Location by Specialty

Specialty	Total	Percent Graduated from Medical School in Region								
		VT	NH	Other NewEng	Mid Atlant	South	Central	West	Canada	Other Foreign
TOTAL	1565	20%	2%	12%	24%	14%	16%	4%	4%	5%
PRIMARY CARE	628	24%	2%	12%	24%	15%	14%	3%	3%	4%
Family Practice	259	24%	3%	12%	25%	9%	15%	4%	4%	3%
Internal Medicine	198	17%	2%	14%	27%	17%	14%	4%	1%	5%
Ob/Gyn	68	32%	1%	4%	26%	19%	10%	0%	6%	0%
Pediatrics	103	28%	0%	15%	16%	21%	12%	3%	2%	4%
SPECIALTY CARE	937	17%	2%	11%	24%	13%	18%	4%	4%	7%
Anesthesiology	73	36%	3%	6%	14%	15%	10%	4%	3%	10%
Emergency Medicine	86	19%	2%	9%	15%	15%	21%	7%	7%	5%
Internal Medicine	128	8%	1%	11%	43%	9%	13%	2%	3%	9%
Neurology	38	0%	8%	16%	29%	24%	8%	0%	3%	13%
Ophthalmology	47	21%	0%	13%	23%	21%	15%	2%	2%	2%
Pathology	44	27%	7%	7%	18%	20%	7%	5%	0%	9%
Psychiatry	146	18%	3%	12%	19%	15%	21%	5%	1%	6%
Radiology	83	14%	1%	12%	20%	14%	22%	4%	5%	7%
Surgery: General	51	22%	0%	16%	16%	16%	24%	2%	2%	4%
Surgery: Orthopedic	60	15%	2%	18%	35%	2%	18%	2%	7%	2%
Surgery: Other	32	28%	0%	9%	22%	3%	19%	3%	9%	6%
Urology	25	20%	4%	8%	4%	20%	24%	8%	8%	4%
Other Specialties	124	10%	3%	10%	29%	9%	22%	4%	6%	6%

Location of medical school is not known for one of the specialist physicians.  
This table uses the standard mapping of states to regions (see Note 12),  
but separating out VT and NH.

Table 15 -- VT Physicians, 2002  
Residency Training Location by Specialty

Specialty	Total	Percent Received Residency Training in Region								
		VT	NH	Other NewEng	Mid Atlant	South	Central	West	Canada	Other Foreign
TOTAL	1565	23%	9%	25%	27%	17%	17%	13%	4%	2%
PRIMARY CARE	628	23%	6%	23%	27%	14%	13%	11%	3%	1%
Family Practice	259	20%	2%	19%	28%	12%	12%	12%	4%	1%
Internal Medicine	198	23%	13%	30%	23%	12%	15%	11%	2%	1%
Ob/Gyn	68	25%	3%	12%	34%	19%	12%	4%	4%	1%
Pediatrics	103	30%	8%	28%	23%	20%	11%	11%	1%	2%
SPECIALTY CARE	937	23%	11%	26%	27%	19%	20%	15%	5%	2%
Anesthesiology	73	35%	7%	24%	28%	17%	10%	19%	6%	3%
Emergency Medicine	86	13%	1%	24%	32%	8%	20%	16%	5%	1%
Internal Medicine	128	25%	15%	30%	27%	19%	18%	16%	2%	2%
Neurology	38	18%	21%	39%	37%	24%	21%	8%	3%	3%
Ophthalmology	47	4%	4%	13%	38%	38%	34%	11%	2%	4%
Pathology	44	34%	16%	30%	11%	23%	23%	11%	2%	5%
Psychiatry	146	29%	19%	25%	23%	14%	16%	10%	1%	1%
Radiology	83	29%	6%	31%	34%	20%	16%	23%	4%	1%
Surgery: General	51	22%	2%	18%	26%	16%	26%	8%	4%	0%
Surgery: Orthopedic	60	27%	5%	23%	32%	18%	23%	10%	8%	5%
Surgery: Other	32	38%	3%	41%	16%	9%	19%	28%	13%	0%
Urology	25	12%	24%	16%	16%	32%	28%	12%	8%	0%
Other Specialties	124	15%	13%	24%	27%	22%	24%	17%	10%	2%

If a physician listed residencies in more than one region, all were counted (Note 14).  
Uses the standard mapping of states to regions, plus VT and NH (see Note 12).  
Location of residency is not known for 2 of the primary care physicians  
and 3 of the specialists.

Table 16 -- VT Physicians, 2002  
Training at the University of Vermont

	Total	Doctors with Known Medical School	Graduated from VT (UVM) Medical School
Primary Care	628	628	148 (24%)
Specialists	937	936	158 (17%)
Total	1565	1564	306 (20%)

	Total	Doctors with Known Residency	Completed VT (FAHC) Residency
Primary Care	628	626	146 (23%)
Specialists	937	934	219 (23%)
Total	1565	1560	365 (23%)

	Total	Doctors with Any Known Training	Any Training in VT
Primary Care	628	628	242 (39%)
Specialists	937	936	303 (32%)
Total	1565	1564	545 (35%)

Percentages (in the third column) are based on the number of physicians with known training (in the same row).

126 Vermont physicians both graduated from a VT Medical School (UVM) and did a residency in VT (FAHC). Therefore, the number under 'Any Training in VT' is less than the sum of VT graduates and residents (see Note 17).



# Vermont Physician Practice Characteristics



Table 17 -- VT Physicians, 2002  
Average Patient Care Hours per Week,  
by Provider Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week					% Working Full Time
		All Ages	Age < 45	Age 45-54	Age 55-64	Age 65+	(%)
ALL SPECIALTIES	1521	39	40	38	42	27	56%
PRIMARY CARE	628	37	36	36	43	35	53%
Family Practice	259	38	36	38	44	32	53%
Internal Medicine	198	37	37	33	44	38	56%
Ob/Gyn	68	42	41	42	45	.	62%
Pediatrics	103	34	35	33	36	31	41%
SPECIALTY CARE	893	40	43	39	41	24	59%
Anesthesiology	73	49	52	51	42	32	86%
Emergency Medicine	86	29	30	27	36	.	31%
Internal Medicine	128	39	47	33	46	18	56%
Neurology	38	36	35	30	48	.	55%
Ophthalmology	47	37	43	39	32	34	55%
Psychiatry	146	36	37	35	37	25	52%
Radiology	83	37	37	42	33	24	54%
Surgery: General	51	50	57	47	49	15	80%
Surgery: Orthopedic	60	45	46	46	46	31	72%
Surgery: Other	32	46	49	52	51	18	66%
Urology	25	48	46	54	43	.	64%
Other Specialties	124	39	41	40	42	23	60%

Averages based on less than 3 people are suppressed.

'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (see Note 22).

'Total' & 'All Ages' columns include 1 physician with unknown age.

See Note 1 for a description of the calculation of age.

Pathologists are excluded from this table (see Note 3).

Table 18 -- VT Physicians, 2002  
Average Patient Care Hours per Week,  
by Provider Gender, Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week					% Working Full Time
		All Ages	Age < 45	Age 45-54	Age 55-64	Age 65+	(%)
MALES:							
ALL SPECIALTIES	1105	40	43	39	42	27	62%
PRIMARY CARE	389	41	41	38	45	35	65%
Family Practice	162	42	42	41	46	32	68%
Internal Medicine	143	39	40	34	46	39	59%
Ob/Gyn	36	45	44	46	45	.	72%
Pediatrics	48	37	37	35	44	31	63%
SPECIALTY CARE	716	40	45	39	41	23	61%
Anesthesiology	61	49	53	50	41	32	87%
Emergency Medicine	68	31	34	26	38	.	37%
Internal Medicine	108	40	49	33	47	18	57%
Neurology	32	36	35	27	48	.	56%
Ophthalmology	40	38	44	40	33	34	53%
Psychiatry	96	34	36	35	35	19	53%
Radiology	66	38	41	42	33	24	58%
Surgery: General	45	50	60	47	49	15	82%
Surgery: Orthopedic	56	44	45	44	46	31	70%
Surgery: Other	30	46	51	53	51	18	67%
Urology	22	48	45	54	43	.	59%
Other Specialties	92	40	45	41	43	23	63%
FEMALES:							
ALL SPECIALTIES	414	34	34	35	35	40	41%
PRIMARY CARE	237	32	32	32	27	.	34%
Family Practice	97	30	30	32	28	.	29%
Internal Medicine	54	31	30	32	33	.	44%
Ob/Gyn	32	39	40	36	.	.	50%
Pediatrics	54	31	34	31	17	.	22%
SPECIALTY CARE	177	38	36	38	41	.	51%
Anesthesiology	12	50	48	56	45	.	83%
Emergency Medicine	18	24	18	31	.	.	11%
Internal Medicine	20	35	39	27	.	.	50%
Neurology	6	36	.	37	.	.	50%
Ophthalmology	7	35	42	34	.	.	71%
Psychiatry	50	39	39	36	49	.	50%
Radiology	17	34	29	40	.	.	41%
Surgery: General	6	46	43	50	.	.	67%
Surgery: Orthopedic	4	65	.	.	.	.	100%
Surgery: Other	2	.	.	.	.	.	.
Urology	3	52	52	.	.	.	100%
Other Specialties	32	37	35	40	.	.	50%

Averages based on less than 3 people are suppressed.

'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (not including hours engaged in teaching, administration and research). See Note 22.

The gender of 2 physicians is unknown.

'Total' & 'All Ages' columns include 1 physician with unknown age.

See Note 1 for a description of the calculation of age.

Pathologists are excluded from this table (see Note 3).



Table 19 -- VT Physicians, 2002  
Average Patient Care Hours per Week, by Provider Age, by County

County	Total	Average Patient Care Hours per Week					% Working Full Time
		All Ages	Age < 45	Age 45-54	Age 55-64	Age 65+	
STATEWIDE TOTAL							(%)
Primary Care	628	37	36	36	43	35	53%
Specialists	893	40	43	39	41	24	59%
Addison County							
Primary Care	40	37	37	26	49	.	57%
Specialists	24	31	35	26	.	.	29%
Bennington County							
Primary Care	45	36	36	34	52	.	58%
Specialists	74	38	40	40	36	27	51%
Caledonia County							
Primary Care	26	39	41	38	39	.	54%
Specialists	28	34	25	39	43	.	50%
Chittenden County							
Primary Care	189	36	34	36	41	41	49%
Specialists	374	43	45	42	44	25	64%
Essex County							
Primary Care	4	41	48	.	.	.	50%
Specialists	0	.	.	.	.	.	.
Franklin County							
Primary Care	30	43	41	44	49	.	70%
Specialists	35	43	48	43	33	.	71%
Grand Isle County							
Primary Care	1	.	.	.	.	.	0%
Specialists	0	.	.	.	.	.	.
Lamoille County							
Primary Care	24	39	33	42	42	.	50%
Specialists	16	43	53	45	.	.	75%
Orange County							
Primary Care	22	37	35	41	37	.	41%
Specialists	22	32	31	28	40	28	45%
Orleans County							
Primary Care	18	44	44	44	42	.	78%
Specialists	23	44	49	42	41	.	65%
Rutland County							
Primary Care	50	44	42	43	54	.	54%
Specialists	77	45	49	44	50	26	68%
Washington County							
Primary Care	50	41	39	40	46	.	68%
Specialists	75	42	41	42	42	.	65%
Windham County							
Primary Care	54	36	33	31	50	.	44%
Specialists	70	32	40	28	38	26	49%
Windsor County							
Primary Care	75	30	31	28	30	30	45%
Specialists	75	27	32	24	30	18	40%

Averages based on less than 3 people are suppressed.  
'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (excluding teaching, administration and research). See Note 22.  
Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (see Note 2).  
'Total' & 'all ages' columns include one physician with unknown age.  
See Note 1 for a description of the calculation of age.  
Pathologists are excluded from this table (see Note 3).

Table 20 -- VT Physicians, 2002  
Practice Availability by Specialty

Specialty	Physicians	Accept New Patients	Participate in Medicaid	Accept New Medicaid Patients	Participate in Medicare	Accept New Medicare Patients
		(%)	(%)	(%)	(%)	(%)
TOTAL	1435 *	92%	97%	85%	99%	87%
PRIMARY CARE	628	83%	97%	75%	99%	75%
Family Practice	259	81%	94%	70%	98%	73%
Internal Medicine	198	73%	98%	61%	99%	69%
Ob/Gyn	68	97%	98%	95%	100%	97%
Pediatrics	103	99%	100%	98%	n.a.	n.a.
SPECIALTY CARE	807 *	99%	98%	94%	99%	96%
Anesthesiology	73	99%	100%	96%	100%	96%
Internal Medicine	128	100%	100%	97%	100%	100%
Neurology	38	97%	100%	94%	100%	97%
Ophthalmology	47	98%	100%	93%	100%	98%
Psychiatry	146	97%	97%	85%	97%	88%
Radiology	83	100%	100%	100%	100%	100%
Surgery: General	51	98%	100%	98%	100%	96%
Surgery: Orthopedic	60	100%	98%	98%	100%	100%
Surgery: Other	32	100%	100%	100%	100%	96%
Urology	25	100%	100%	100%	100%	100%
Other Specialties	124	99%	91%	87%	94%	93%

\* Emergency Medicine and Pathology are excluded from this table.

Physicians were asked if they accept new patients and if they participate in Medicaid and Medicare for each site where they practice. In this table each physician is counted once, in his or her main specialty. A physician is counted as accepting new patients if they accept new patients at any site, and as participating in Medicaid or Medicare if they participate at any site. See Note 10 regarding tabulation of availability of care.

All practice settings are included. This table is not comparable to previous reports. See Note 11.

Denominators for percentages do not include unknowns.

Table 21 -- VT Physicians, 2002  
Practice Availability by County

County	Offices	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)
STATEWIDE TOTAL				
Primary Care	755	83%	75%	78%
Specialists	1128	98%	93%	96%
Addison County				
Primary Care	43	88%	83%	83%
Specialists	37	97%	94%	97%
Bennington County				
Primary Care	52	76%	60%	70%
Specialists	90	100%	95%	97%
Caledonia County				
Primary Care	30	100%	100%	100%
Specialists	32	97%	90%	100%
Chittenden County				
Primary Care	231	73%	65%	65%
Specialists	445	99%	93%	97%
Essex County				
Primary Care	5	100%	100%	100%
Specialists	0	.	.	.
Franklin County				
Primary Care	42	92%	87%	83%
Specialists	53	100%	94%	98%
Grand Isle County				
Primary Care	3	100%	100%	100%
Specialists	0	.	.	.
Lamoille County				
Primary Care	30	85%	78%	82%
Specialists	43	98%	97%	97%
Orange County				
Primary Care	26	91%	91%	88%
Specialists	29	89%	89%	92%
Orleans County				
Primary Care	27	92%	92%	86%
Specialists	25	90%	90%	90%
Rutland County				
Primary Care	55	91%	71%	86%
Specialists	93	97%	88%	94%
Washington County				
Primary Care	58	73%	68%	71%
Specialists	91	98%	95%	96%
Windham County				
Primary Care	66	89%	76%	84%
Specialists	95	96%	94%	95%
Windsor County				
Primary Care	87	91%	87%	88%
Specialists	95	98%	86%	93%

Each site a physician practices in is counted separately.  
Denominators for percentages do not include unknowns.  
Pathology and Emergency Medicine are excluded from this table.  
See Note 10 regarding tabulation of availability of care.  
All practice settings are included. This table is not comparable  
to previous reports. See Note 11.

Table 22 -- VT Physicians, 2002  
Main and Secondary Specialties

Specialty	Main Specialty		Secondary Specialty	
	Number	Percent	Number	Percent
TOTAL	1565	100%	179	100%
PRIMARY CARE	628	40%	53	30%
Family Practice	259	17%	10	6%
Internal Medicine	198	13%	23	13%
Ob/Gyn	68	4%	5	3%
Pediatrics	103	7%	15	8%
SPECIALTY CARE	937	60%	126	70%
Anesthesiology	73	5%	4	2%
Emergency Medicine	86	5%	6	3%
Internal Medicine	128	8%	25	14%
Neurology	38	2%	2	1%
Ophthalmology	47	3%	0	0%
Pathology	44	3%	16	9%
Psychiatry	146	9%	4	2%
Radiology	83	5%	1	1%
Surgery: General	51	3%	2	1%
Surgery: Orthopedic	60	4%	3	2%
Surgery: Other	32	2%	11	6%
Urology	25	2%	0	0%
Other Specialties	124	8%	52	29%

For each specialty group, this table counts the number of active physicians who practice in the specialty as their main, or as a secondary (or tertiary, etc), specialty. Most physicians did not report a secondary specialty. The percentages are based on the TOTAL line.

## Distribution of Physicians by Hospital Service Areas



Table 23 -- VT Physicians, 2002  
Age by Hospital Service Area \*

Hospital Service Area	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
STATEWIDE TOTAL								
Total	1565	94	505	592	189	103	81	12%
Primary Care	628	57	202	242	73	32	22	9%
Specialists	937	37	303	350	116	71	59	14%
Barre								
Primary Care	51	7	10	23	9	1	1	4%
Specialists	79	1	24	34	11	9	0	11%
Bennington								
Primary Care	48	3	15	22	3	3	2	10%
Specialists	76	5	28	17	11	8	7	20%
Brattleboro								
Primary Care	44	0	13	20	2	7	2	20%
Specialists	68	2	9	32	8	8	9	25%
Burlington								
Primary Care	198	23	64	83	19	4	5	5%
Specialists	404	17	150	145	50	21	21	10%
Middlebury								
Primary Care	40	0	18	11	7	2	2	10%
Specialists	24	1	11	10	1	1	0	4%
Morrisville								
Primary Care	22	1	5	10	4	1	1	9%
Specialists	17	1	4	7	2	1	2	18%
Newport								
Primary Care	20	5	4	8	3	0	0	0%
Specialists	23	0	8	11	4	0	0	0%
Randolph								
Primary Care	17	2	2	9	3	0	1	6%
Specialists	22	0	6	6	4	2	4	27%
Rutland								
Primary Care	50	8	19	13	6	2	2	8%
Specialists	80	0	26	33	6	9	6	19%
Springfield								
Primary Care	29	1	11	7	6	2	2	14%
Specialists	27	1	5	10	7	2	2	15%
St. Albans								
Primary Care	27	1	13	9	0	4	0	15%
Specialists	36	2	13	15	3	0	2	6%
St. Johnsbury								
Primary Care	24	1	7	10	4	1	1	8%
Specialists	27	4	6	11	1	4	1	19%
White River Jct								
Primary Care	58	5	21	17	7	5	3	14%
Specialists	54	3	13	19	8	6	5	20%

\* Hospital Service Areas have been redefined since the previous reports.  
See Appendix A and Appendix F.

Each physician is counted once in this table, in their main specialty group, and, independently, in their main service area (see Note 2).  
The 'Total' column includes one physician with unknown age (see Note 1).

Table 24 -- VT Physicians, 2002  
Numbers of Physicians, Full Time Equivalents (FTEs), and  
Total Weekly Patient Care Hours, by Hospital Service Area \*

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		1523 1215.0 58641	660 492.9 23020	956 722.1 35620
Barre		146 109.7 5118	53 46.0 2031	96 63.7 3087
Bennington		134 96.1 4481	56 37.9 1736	85 58.2 2745
Brattleboro		121 74.4 3607	47 28.3 1405	80 46.1 2203
Burlington		600 469.5 22984	213 150.8 6936	424 318.7 16048
Middlebury		84 50.1 2243	41 32.2 1461	46 17.8 782
Morrisville		68 33.7 1790	24 17.0 889	48 16.8 901
Newport		51 37.7 1869	23 18.2 877	32 19.5 992
Randolph		48 29.4 1345	19 13.7 652	32 15.8 693
Rutland		154 110.6 5649	56 44.4 2220	105 66.1 3429
Springfield		68 44.6 2129	32 27.1 1317	37 17.6 812
St. Albans		92 56.7 2709	33 24.5 1152	60 32.2 1557
St. Johnsbury		65 39.6 1826	25 21.1 941	40 18.5 885
White River Jct		125 62.9 2891	62 31.7 1404	75 31.1 1487

\* Hospital Service Areas have been redefined since the previous reports. See Appendix A and Appendix F.

In this table physicians may be counted more than once (see Notes 4 and 5).  
Pathologists are excluded from this table (see Note 3).



Table 25 -- VT Physicians, 2002  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Hospital Service Area \*

Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	660 492.9 23020	269 206.2 9511	221 145.5 6990	73 59.1 2867	118 82.2 3653
Barre	53 46.0 2031	26 22.0 1013	16 13.0 542	7 6.0 277	6 5.0 200
Bennington	56 37.9 1736	25 16.9 766	18 11.2 538	9 5.8 255	5 4.0 177
Brattleboro	47 28.3 1405	22 14.0 723	15 7.2 349	4 3.3 180	7 3.8 153
Burlington	213 150.8 6936	74 52.0 2255	77 53.5 2508	26 18.5 976	39 26.9 1197
Middlebury	41 32.2 1461	22 18.1 789	6 3.6 179	4 3.9 196	11 6.7 297
Morrisville	24 17.0 889	16 11.6 588	5 2.8 164	2 1.5 70	2 1.2 67
Newport	23 18.2 877	7 5.7 281	11 7.3 374	2 2.0 80	5 3.2 141
Randolph	19 13.7 652	6 4.9 234	6 3.2 147	3 2.9 144	7 2.7 128
Rutland	56 44.4 2220	30 22.7 1100	15 10.3 588	5 4.7 223	9 6.7 308
Springfield	32 27.1 1317	14 12.2 577	8 6.4 363	4 3.2 146	7 5.3 231
St. Albans	33 24.5 1152	10 7.5 348	10 5.8 276	4 4.0 180	9 7.2 347
St. Johnsbury	25 21.1 941	11 9.5 443	5 4.6 202	3 2.7 108	7 4.3 188
White River Jct	62 31.7 1404	16 9.1 395	35 16.6 759	6 .8 32	8 5.3 219

\* Hospital Service Areas have been redefined since the previous reports. See Appendix A and Appendix F.

In this table physicians may be counted more than once (see Notes 4 and 5).

See Note 6 for description of OB/GYN classification.

Table 26 -- VT Physicians, 2002  
Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by Hospital Service Area \*

Count	SPECIALTY						
	FTEs	CARE	ANESTHES-	EMERGENCY	INTERNAL	OPHTHALM-	
	Hours	TOTAL	IOLOGY.	MEDICINE	MEDICINE	NEUROLOGY	LOGY PSYCHIATRY
<hr/>							
STATEWIDE TOTAL		956	77	92	153	40	150
		722.1	69.1	60.6	96.8	28.1	115.7
		35620	3602	2543	5008	1358	5278
Barre		96	8	9	16	5	21
		63.7	8.0	7.2	7.9	3.6	15.1
		3087	375	289	398	202	694
Bennington		85	4	8	17	5	11
		58.2	3.8	6.3	10.0	3.6	7.9
		2745	160	262	493	149	368
Brattleboro		80	6	5	12	7	22
		46.1	4.2	2.7	4.4	2.3	12.8
		2203	236	116	217	101	612
Burlington		424	35	23	82	14	62
		318.7	30.4	12.8	56.7	11.4	43.7
		16048	1551	541	2942	584	2031
Middlebury		46	1	8	11	3	5
		17.8	1.0	3.0	1.6	.2	2.5
		782	48	118	88	9	101
Morrisville		48	5	5	9	1	5
		16.8	3.4	4.3	1.3	1.0	1.6
		901	182	198	73	40	69
Newport		32	2	5	4	1	5
		19.5	2.0	3.5	.6	1.0	2.1
		992	172	148	25	40	86
Randolph		32	2	7	4	3	4
		15.8	2.0	3.1	.2	1.1	1.5
		693	84	129	8	54	59
Rutland		105	3	16	24	5	10
		66.1	3.0	8.4	9.2	2.0	7.1
		3429	210	348	520	85	337
Springfield		37	2	1	5	3	9
		17.6	2.0	1.0	.5	.3	4.3
		812	100	40	21	12	174
St. Albans		60	6	7	17	3	4
		32.2	5.8	4.5	1.1	.2	3.0
		1557	292	183	51	12	132
St. Johnsbury		40	1	8	5	2	4
		18.5	1.0	3.2	.3	.3	1.8
		885	66	148	20	12	72
White River Jct		75	5	2	10	1	22
		31.1	2.6	.6	2.9	1.0	12.4
		1487	126	24	153	60	544

(continued on next page)

Table 26 (continued) -- VT Physicians, 2002  
Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by Hospital Service Area \*

Count	SPECIALTY							
	FTEs	CARE		GENERAL	ORTHOP.	OTHER		
	Hours	TOTAL	RADIOLOGY	SURGERY	SURGERY	SURGERY	UROLOGY	OTHER
STATEWIDE TOTAL		956	84	53	63	43	25	176
		722.1	64.6	43.4	50.0	29.0	22.6	102.7
		35620	3093	2397	2661	1589	1201	5143
Barre		96	4	6	5	4	2	13
		63.7	3.1	5.8	3.2	.1	2.0	5.6
		3087	138	323	204	3	124	250
Bennington		85	9	3	6	4	3	13
		58.2	5.5	2.2	4.0	2.8	2.6	4.8
		2745	226	144	196	158	130	238
Brattleboro		80	7	4	9	3	1	10
		46.1	4.4	3.5	4.8	.3	1.0	4.1
		2203	187	159	221	16	69	203
Burlington		424	38	16	21	23	12	100
		318.7	31.6	12.5	18.1	18.5	7.0	57.7
		16048	1526	777	951	1031	391	2896
Middlebury		46	3	2	2	1	4	4
		17.8	2.6	1.1	2.0	1.0	.7	1.4
		782	102	44	110	40	28	61
Morrisville		48	4	1	5	.	3	6
		16.8	.8	1.0	2.3	.	.3	.3
		901	55	75	164	.	13	15
Newport		32	2	2	1	2	1	7
		19.5	2.0	1.9	1.0	.1	1.0	3.3
		992	129	100	40	4	38	160
Randolph		32	1	3	1	1	1	4
		15.8	1.0	2.3	.9	.2	1.0	.8
		693	45	101	60	9	38	30
Rutland		105	7	2	8	9	1	19
		66.1	5.9	1.6	5.5	5.7	1.0	12.6
		3429	304	110	293	313	68	680
Springfield		37	2	2	3	.	3	7
		17.6	1.6	2.0	1.8	.	.5	2.6
		812	65	105	100	.	18	127
St. Albans		60	3	5	4	.	4	6
		32.2	3.0	5.0	3.7	.	1.5	3.0
		1557	159	251	188	.	93	135
St. Johnsbury		40	4	3	2	2	2	6
		18.5	1.6	2.8	2.0	.4	2.0	1.5
		885	91	131	104	15	80	67
White River Jct		75	8	5	4	.	3	13
		31.1	1.5	1.8	.7	.	2.2	5.0
		1487	65	78	31	.	110	280

\* Hospital Service Areas have been redefined since the previous reports. See Appendix A and Appendix F.

In this table physicians may be counted more than once (see Note 4).  
Pathologists are excluded from this table (see Note 3).

Table 27 -- VT Physicians, 2002  
Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
to Population, by Hospital Service Area \*

HSA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	492.92	615,611	80.07	1249
Barre	46.00	65,843	69.86	1431
Bennington	37.89	40,947	92.54	1081
Brattleboro	28.30	32,230	87.82	1139
Burlington	150.82	166,850	90.39	1106
Middlebury	32.23	28,231	114.17	876
Morrisville	16.96	25,925	65.40	1529
Newport	18.23	27,792	65.60	1524
Randolph	13.67	14,526	94.13	1062
Rutland	44.42	64,303	69.09	1447
Springfield	27.07	28,967	93.45	1070
St. Albans	24.50	43,654	56.12	1782
St. Johnsbury	21.09	27,182	77.57	1289
White River Jct	31.73	49,161	64.55	1549

Only primary care physicians are included in this table.  
An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
The FTEs are rounded to 2 digits for display only.  
The ratios were calculated using the unrounded values,  
then rounded in turn to 2 digits for display.

\* Hospital Service Areas have been redefined since the  
previous reports. See Appendix A and Appendix F.

Population estimates are for 2002, as provided by Claritas (Note 7).  
Also see notes 4 and 5.

## Distribution of Physicians by Area Health Education Center (AHEC) Regions



Table 28 -- VT Physicians, 2002  
Age by AHEC Region

AHEC Region	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1565	94	505	592	189	103	81	12%
Primary Care	628	57	202	242	73	32	22	9%
Specialists	937	37	303	350	116	71	59	14%
Champlain Valley								
Primary Care	260	24	94	102	23	10	7	7%
Specialists	464	20	174	170	54	22	23	10%
Northeast VT								
Primary Care	144	17	33	60	26	4	4	6%
Specialists	167	6	48	69	22	16	6	13%
Southern VT								
Primary Care	224	16	75	80	24	18	11	13%
Specialists	306	11	81	111	40	33	30	21%

Each physician is counted once in this table, in their main specialty group, and, independently, in their main AHEC region of practice (see Note 2).

The 'Total' column includes one physician with unknown age (see Note 1).

Table 29 -- VT Physicians, 2002  
Numbers of Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by AHEC region

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		1523 1215.0 58641	660 492.9 23020	956 722.1 35620
Champlain Valley		713 573.0 27803	277 204.3 9416	477 368.7 18387
Northeast VT		363 257.6 12258	155 121.7 5622	225 135.9 6636
Southern VT		551 384.3 18580	240 166.9 7983	343 217.4 10597

In this table physicians may be counted more than once  
(see Notes 4 and 5).  
Pathologists are excluded from this table (see Note 3).

Table 30 -- VT Physicians, 2002  
Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by AHEC Region

	Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL		660 492.9 23020	269 206.2 9511	221 145.5 6990	73 59.1 2867	118 82.2 3653
Champlain Valley		277 204.3 9416	100 74.4 3259	90 62.8 2963	34 26.3 1353	58 40.8 1841
Northeast VT		155 121.7 5622	72 56.5 2649	46 32.1 1493	19 15.3 689	29 17.9 791
Southern VT		240 166.9 7983	102 75.3 3603	89 50.6 2534	21 17.4 825	34 23.6 1020

In this table physicians may be counted more than once  
(see Notes 4 and 5).  
See Note 6 for description of OB/GYN classification.



Table 31 -- VT Physicians, 2002  
Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTHES- IOLOGY.	EMERGENCY MEDICINE	INTERNAL MEDICINE	NEUROLOGY	OPHTHALM- OLOGY	PSYCHIATRY
STATEWIDE TOTAL	956 722.1 35620	77 69.1 3602	92 60.6 2543	153 96.8 5008	40 28.1 1358	47 39.4 1747	150 115.7 5278
Champlain Valley	477 368.7 18387	41 37.1 1891	34 20.3 842	84 59.4 3081	15 11.9 604	24 20.6 921	65 49.2 2264
Northeast VT	225 135.9 6636	18 16.4 880	31 21.3 912	34 10.5 534	11 7.0 348	10 7.2 309	34 22.8 1008
Southern VT	343 217.4 10597	20 15.6 832	31 19.0 789	63 26.9 1393	19 9.2 406	18 11.6 517	61 43.8 2007
Count FTEs Hours	SPECIALTY CARE TOTAL	RADIOLOGY	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATEWIDE TOTAL	956 722.1 35620	84 64.6 3093	53 43.4 2397	63 50.0 2661	43 29.0 1589	25 22.6 1201	176 102.7 5143
Champlain Valley	477 368.7 18387	44 37.1 1788	23 18.6 1072	27 23.7 1248	24 19.5 1071	12 9.1 512	107 62.1 3092
Northeast VT	225 135.9 6636	12 8.5 458	14 13.7 729	13 9.4 572	9 .7 31	9 6.2 294	34 12.2 563
Southern VT	343 217.4 10597	33 18.9 847	16 11.1 596	27 16.8 840	14 8.7 487	9 7.3 395	50 28.4 1488

In this table physicians may be counted more than once (see Note 4).  
Pathologists are excluded from this table (see Note 3).

Table 32 -- VT Physicians, 2002  
Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
to Population, by AHEC Region

AHEC region	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	492.92	615,611	80.07	1249
Champlain Valley	204.32	238,377	85.71	1167
Northeast VT	121.71	173,844	70.01	1428
Southern VT	166.88	203,390	82.05	1219

Only primary care physicians are included in this table.  
An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
The FTEs are rounded to 2 digits for display only.  
The ratios were calculated using the unrounded values,  
then rounded in turn to 2 digits for display.

Population estimates are for 2002, as provided by Claritas (Note 7).  
Also see notes 4 and 5.

## Detailed Comparison Between 2000 and 2002



Table 33 -- VT Physicians, 2000 and 2002  
Changes in Number of Physicians, Patient Care Hours  
and Specialties, between 2000 and 2002

	2000	2002	Change	
TOTAL	1480	1565	+85	+6%
Medical Doctor (MD)	1437	1526	+89	+6%
Doctor of Osteopathy (DO)	43	39	-4	-9%
Main Specialty:				
Primary Care Total	585	628	+43	+7%
Family Practice	258	259	+1	+0%
Primary Care Internal Medicine	164	198	+34	+21%
Obstetrics and Gynecology	64	68	+4	+6%
Pediatrics	99	103	+4	+4%
Specialty Care Total	895	937	+42	+5%
Anesthesiology	59	73	+14	+24%
Emergency Medicine	76	86	+10	+13%
Internal Medicine Specialties	138	128	-10	-7%
Pathology	42	44	+2	+5%
Psychiatry	154	146	-8	-5%
Radiology	72	83	+11	+15%
Surgery: General	42	51	+9	+21%
Surgery: Orthopedic	55	60	+5	+9%
Surgery: Other	37	32	-5	-14%
Other Specialties	220	234	+14	+6%
Age Groups:				
Younger than 35	84	94	+10	+12%
35 - 44	511	505	-6	-1%
45 - 54	539	592	+53	+10%
55 - 64	255	292	+37	+15%
65 and older	86	81	-5	-6%
Gender:				
Male	1088	1133	+45	+4%
Female	392	430	+38	+10%
Patient care hours:				
40 or more hours/week	844	890	+46	+5%
30 to 39 hours/week	233	249	+16	+7%
Less than 30 hours/week	403	426	+23	+6%

Table 34 -- VT Physicians, 2000 vs. 2002  
Numbers of Physicians, Full Time Equivalents (FTEs), and Total  
Weekly Patient Care Hours, by County, in 2000 and in 2002

	Count FTEs Hours	2000			2002		
		TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATE TOTAL		1439 1149.6 55369	612 472.2 22504	903 677.5 32865	1523 1215.0 58641	660 492.9 23020	956 722.1 35620
Addison County		74 48.7 2207	38 27.7 1241	40 20.9 966	84 50.1 2243	41 32.2 1461	46 17.8 782
Bennington County		115 88.9 4226	42 31.5 1542	75 57.5 2684	131 93.8 4369	53 35.6 1624	85 58.2 2745
Caledonia County		60 42.3 1974	23 19.9 902	39 22.4 1072	66 40.3 1893	27 21.6 1003	41 18.7 890
Chittenden County		540 422.0 20418	181 130.9 6046	391 291.1 14373	592 462.8 22690	204 144.1 6642	424 318.7 16048
Essex County		5 3.4 180	5 3.4 180	. . . .	5 2.9 136	5 2.9 136	. . . .
Franklin County		80 57.0 2762	38 30.5 1516	45 26.5 1245	93 59.2 2832	34 27.0 1275	60 32.2 1557
Grand Isle County		3 1.3 78	3 1.3 78	. . . .	2 .9 38	2 .9 38	. . . .
Lamoille County		60 36.7 1816	26 20.5 995	40 16.2 821	71 34.4 1774	27 17.7 878	47 16.6 896
Orange County		50 30.7 1450	23 14.5 679	31 16.2 771	58 33.6 1521	26 16.2 751	37 17.4 771
Orleans County		46 33.3 1671	22 18.1 994	26 15.2 677	52 36.8 1816	24 17.3 824	32 19.5 992
Rutland County		147 105.9 5351	57 45.7 2236	93 60.2 3115	154 110.6 5649	56 44.4 2220	105 66.1 3429
Washington County		130 98.6 4655	45 41.9 1997	88 56.7 2658	146 109.7 5118	53 46.0 2031	96 63.7 3087
Windham County		132 91.3 4389	53 37.1 1787	84 54.2 2602	133 87.1 4232	55 37.8 1893	84 49.4 2339
Windsor County		147 88.5 4131	77 49.1 2310	80 39.4 1821	164 92.8 4331	82 49.1 2246	93 43.7 2085

In this table physicians may be counted more than once (see Notes 4 and 5).  
Pathologists are excluded from this table (see Note 3).

Table 35 -- Physicians who Discontinued  
their Vermont Practice between 2000 and 2002:  
Count of Physicians, Full Time Equivalents (FTEs), and  
Total Weekly Patient Care Hours (in 2000), by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	186 115.6 5441	78 47.0 2106	116 68.6 3292
Addison County	7 5.8 297	3 2.5 118	4 3.4 179
Bennington County	13 10.3 508	4 2.4 146	10 7.8 362
Caledonia County	10 5.1 221	3 1.5 74	8 3.5 147
Chittenden County	57 35.5 1632	22 12.8 553	38 22.7 1049
Essex County	. . . .	. . . .	. . . .
Franklin County	13 10.5 491	7 5.7 263	6 4.7 228
Grand Isle County	. . . .	. . . .	. . . .
Lamoille County	5 2.5 129	3 1.4 57	3 1.1 72
Orange County	8 5.2 259	4 1.7 77	5 3.5 183
Orleans County	5 2.9 161	2 2.0 120	3 .9 41
Rutland County	16 8.6 412	8 5.2 201	8 3.4 201
Washington County	7 3.9 196	1 1.0 40	6 2.9 156
Windham County	24 10.2 456	7 2.6 105	17 7.6 351
Windsor County	29 14.2 619	16 8.1 354	14 6.1 263

In this table physicians may be counted more than once  
(see Notes 4 and 5). Pathologists are excluded (Note 3).  
The state total includes one physician with unknown county.

Table 36 -- VT Physicians Active in 2002  
who were Not Active in 2000:  
Count of Physicians, Full Time Equivalents (FTEs), and  
Total Weekly Patient Care Hours (in 2002), by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	270 202.7 9440	111 73.0 3205	176 129.7 6235
Addison County	11 6.4 258	4 3.4 138	7 3.0 120
Bennington County	26 19.1 838	10 6.6 280	18 12.5 559
Caledonia County	11 6.1 272	4 2.6 107	7 3.5 165
Chittenden County	101 77.5 3651	37 22.1 964	71 55.4 2686
Essex County	1 1.0 40	1 1.0 40	. . .
Franklin County	16 11.7 524	3 2.5 99	13 9.3 425
Grand Isle County	. . .	. . .	. . .
Lamoille County	7 4.0 216	2 1.6 73	5 2.4 143
Orange County	13 7.2 339	7 4.1 202	7 3.2 137
Orleans County	9 7.2 319	4 2.8 111	7 4.4 208
Rutland County	21 16.0 801	7 6.5 315	15 9.5 486
Washington County	19 17.0 727	8 7.2 295	11 9.8 431
Windham County	20 9.6 532	8 2.6 143	14 7.0 389
Windsor County	37 19.9 925	17 10.1 438	22 9.8 487

In this table physicians may be counted more than once  
(see Notes 4 and 5). Pathologists are excluded (Note 3).



Table 37  
Physicians who Discontinued their Vermont Practice between 2000 and 2002:  
Age (in 2000) by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	197	16	59	48	18	25	29	27%
MALES	140	6	34	35	13	23	27	36%
FEMALES	57	10	25	13	5	2	2	7%
PRIMARY CARE	73	11	21	15	5	11	9	27%
Family Practice	32	5	10	8	1	2	6	25%
Internal Medicine	21	1	6	6	3	2	2	19%
Pediatrics	13	3	3	1	0	5	1	46%
Ob/Gyn	7	2	2	0	1	2	0	29%
SPECIALTY CARE	124	5	38	33	13	14	20	27%
Anesthesiology	7	0	1	4	1	1	0	14%
Emergency Medicine	10	0	6	4	0	0	0	0%
Internal Medicine	13	2	4	5	1	0	1	8%
General Surgery	6	0	2	1	1	0	2	33%
Orthopedic Surgery	7	0	0	4	0	0	2	29%
Other Surgery	2	0	1	0	0	1	0	50%
Psychiatry	24	2	5	2	3	4	8	50%
Radiology	10	0	3	3	2	1	1	20%
Pathology	11	0	6	2	0	3	0	27%
Other Specialties	34	1	10	8	5	4	6	29%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	8%	30%	25%	9%	13%	15%	27%
MALES	100%	4%	25%	25%	9%	17%	20%	36%
FEMALES	100%	18%	44%	23%	9%	4%	4%	7%
PRIMARY CARE	100%	15%	29%	21%	7%	15%	13%	27%
SPECIALTY CARE	100%	4%	31%	27%	11%	11%	16%	27%

The 'Total' column includes 2 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 38  
VT Physicians Active in 2002 who were Not Active in 2000:  
Age (in 2002) by Specialty and by Gender

	Total	Number in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	282	61	72	59	36	24	14	11	4	5%
MALES	185	32	47	39	21	19	12	10	4	8%
FEMALES	95	28	24	20	15	5	2	1	.	1%
PRIMARY CARE	103	33	18	26	16	4	3	1	2	3%
Family Practice	41	9	5	14	10	1	2	.	.	0%
Internal Medicine	39	15	7	7	5	2	1	.	2	5%
Ob/Gyn	9	.	3	5	.	1	.	.	.	0%
Pediatrics	14	9	3	.	1	.	.	1	.	7%
SPECIALTY CARE	179	28	54	33	20	20	11	10	2	7%
Anesthesiology	19	2	5	4	2	3	2	.	.	0%
Emergency Medicine	21	4	4	4	5	3	.	1	.	5%
Internal Medicine	21	3	9	2	2	2	2	1	.	5%
Neurology	6	.	3	1	.	1	.	1	.	17%
Ophthalmology	3	2	.	.	1	.	.	.	.	0%
Pathology	12	3	5	1	.	2	.	1	.	8%
Psychiatry	20	5	3	4	1	2	3	2	.	10%
Radiology	21	2	6	5	2	2	1	1	2	14%
Surgery: General	9	1	4	1	.	1	.	2	.	22%
Surgery: Orthopedic	14	1	6	3	1	1	1	1	.	7%
Surgery: Other	2	1	1	.	.	.	.	.	.	0%
Urology	8	2	2	3	.	1	.	.	.	0%
Other Specialties	23	2	6	5	6	2	2	.	.	0%

  

	Total	Percent in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	100%	22%	26%	21%	13%	9%	5%	4%	1%	5%
MALES	100%	17%	26%	21%	11%	10%	7%	5%	2%	8%
FEMALES	100%	29%	25%	21%	16%	5%	2%	1%	0%	1%
PRIMARY CARE	100%	32%	17%	25%	16%	4%	3%	1%	2%	3%
SPECIALTY CARE	100%	16%	30%	19%	11%	11%	6%	6%	1%	7%

The 'Total' column includes one physician with unknown age.  
See Note 1 for a description of the calculation of age.

Table 39  
VT Physicians by Length of Time Active in Vermont as of 2000,  
and Whether Still Active in Vermont in 2002

Tenure in VT as of 2000	Physicians Active in 2000	Still Active in VT in 2002	No Longer Active in VT in 2002
TOTAL	1480 (100%)	1283	197 ( 13%)
1 year	102 ( 7%)	78	24 ( 24%)
2-4 years	213 ( 14%)	184	29 ( 14%)
5-9 years	351 ( 24%)	316	35 ( 10%)
10-19 years	399 ( 27%)	365	34 ( 9%)
20+ years	385 ( 26%)	322	63 ( 16%)
unknown	30 ( 2%)	18	12

Percentages in the 'Active in 2000' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 2000' column.

Table 40  
VT Primary Care Physicians by Length of Time Active in VT  
as of 2000, and Whether Still Active in Vermont in 2002

Primary Care Physicians			
Tenure in VT as of 2000	Active in 2000	Still Active in VT in 2002	No Longer Active in VT in 2002
TOTAL	585 (100%)	512	73 ( 12%)
1 year	35 ( 6%)	25	10 ( 29%)
2-4 years	91 ( 16%)	80	11 ( 12%)
5-9 years	120 ( 21%)	110	10 ( 8%)
10-19 years	160 ( 27%)	148	12 ( 8%)
20+ years	170 ( 29%)	145	25 ( 15%)
unknown	9 ( 2%)	4	5

Percentages in the 'Active in 2000' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 2000' column.

# Appendices



## Appendix A. General Notes and Terms

### Definition of Active Physician

A physician who was relicensed for the period 2003-2004 in Vermont, and who provided patient care hours in Vermont (not as locum tenens) as reported in the survey, is considered an active physician.

### Physicians not represented in these tables

Only *active* physicians are reported. Those who hold a Vermont license but are not actively in practice are excluded from all tables. Residents, clinical fellows, research fellows, and locum tenens physicians are excluded from all tables.

### Specialties

Physicians reported their specialties using a list of predefined codes that was provided along with the survey form (see Appendix D). For the purposes of these tables the detailed specialties were grouped in the following way:

#### Primary Care

- Family Practice includes general practice, family practice, and geriatric medicine.
- Internal Medicine includes general internal medicine and geriatric internal medicine.
- Obstetrics and Gynecology (Ob/Gyn) includes physicians who reported a solely gynecological practice or a solely obstetrical practice, along with those who reported working in both obstetrics and gynecology.
- Pediatrics includes pediatric primary care as well as adolescent medicine.

#### Specialty Care

- Anesthesiology
- Emergency Medicine
- Internal Medicine includes several internal medicine subspecialties
- Neurology – was included in “other specialties” in previous reports
- Ophthalmology – was included in “other specialties” in previous reports
- Pathology (excluded from some tables as noted)
- Psychiatry
- Radiology
- General Surgery
- Orthopedic Surgery
- Other Surgery includes most other surgical specialties, such as vascular surgery, abdominal surgery, colon and rectal surgery, neurological surgery, oral and maxillofacial surgery, pediatric surgery, surgical critical care, and thoracic surgery.
- Neurology – formerly included in “other specialties”.
- Urology – was included in “other specialties” in previous reports
- Other Specialties includes all specific specialties that are not included in the above specialty groups

Note: clinical neurophysiology is classified under Neurology beginning in 2002. In previous reports it was classified under Psychiatry.

### Determination of a physician's main specialty

A physician's "main" specialty is the specialty group in which the physician works the most hours. In case of a tie (equal hours reported in two specialties), the specialty group listed first in the above list is chosen. This has the effect of choosing primary care over specialty care, and more specific specialties over the "other specialties" category, in case of a tie.

### Definition of Full Time Equivalent (FTE)

Reported hours per week were prorated based on the number of work weeks per year. Full time is defined as 40 patient care hours per week or more, for 48 weeks per year. Reported hours per week were adjusted to an annual average, based on a standard of 48 weeks per year. E.g., if 52 weeks were reported, the hours were multiplied by 52/48. A physician reporting more than 40 (adjusted) hours per week is defined as *one* FTE regardless of the number of hours. See the following examples:

		<u>Weeks</u>	<u>Hours</u>	<u>FTE</u>
Example 1:	Primary Care	48	10	0.25
	Specialty Care	48	10	0.25
	Total		20	0.50
Example 2:	Primary Care	52	10	0.27
	Specialty Care	52	10	0.27
	Total		20	0.54
Example 3:	Primary Care	52	20	0.50
	Specialty Care	52	20	0.50
	Total		40	1.00
Example 4:	Primary Care	48	35	0.50
	Specialty Care	24	70	0.50
	Total		70	1.00

In the first example, the physician works half-time and has hours split equally between primary and specialty care. The second example is similar except for the number of weeks being more than 48 so the FTEs are adjusted upwards. The pattern is the same in Example 3, except the hours total 40 for 1.0 FTE, and the adjustment for 52 weeks does not matter since the total FTE is never more than 1.0. In the fourth example the physician spends an average of 70 hours per week in patient care: 35 hours of primary care every week, and 70 hours of specialty care in each of only 24 weeks per year. This is calculated as 1.0 FTE total, and 0.5 FTE for each of primary care and specialty care.



### **Hospital Service Areas**

The Hospital Service Areas (HSAs) in this report are different from both the HSAs and the Health Care Areas in the reports from previous surveys. Hospital Service Areas (HSAs) in this report are as redefined in 2004. The 2004 version are based on inpatient discharges where the diagnosis indicates the need for immediate care, for the years 1997-2001. Unlike previous versions, all Vermont towns have been assigned to a Vermont HSA. The name of each HSA is based on the most populous town in that service area. For a map of these new HSAs see Appendix F.

### **Area Health Education Centers**

The Area Health Education Center regions (AHECs) are defined as groups of counties: The Champlain Valley AHEC includes Addison, Chittenden, Franklin, and Grand Isle counties. The Northeast Vermont AHEC includes Caledonia, Essex, Lamoille, Orange, Orleans, and Washington counties. The Southern Vermont AHEC includes Bennington, Rutland, Windham, and Windsor counties.

### **Determination of a physician's main County (or other area)**

Main county is the county in which the physician practices the greatest number of patient care hours. Similarly for main hospital service area, etc.

### **Numerical precision**

Most numbers are displayed in finite precision in that they are individually rounded. Thus, some rows or columns of numbers may not add exactly to the displayed total (to the last, rightmost digit). This applies to FTEs, percentages and hours, for example, whether the numerals displayed are decimal or whole numbers. Counts of physicians are exact integers, however, and should add up to displayed totals.

### **Tables displaying each physician in a single cell vs. multiple-count tables**

Most of the tables contain information that is individual-based (e.g., age, sex, main specialty). Each physician is represented in only one cell in the table. Those with more than one specialty, or more than one practice site or setting, are counted only in the row and column representing their main specialty, main setting, or main practice location.

Other tables count some physicians in more than one row or column, e.g., in every county the physician works in, and thus the numbers in the "total" row or column may be less than the sum of the rows or columns. Wherever this is the case, it is stated in the notes specific to that table.

## **Appendix B. Notes for specific tables (to be referred to by number)**

### **1. Calculation of Age**

Ages of physicians in the 2002 survey were calculated as of 11/30/02, based on the date of birth. For example, a person born between January and November 1962 is considered 40 years old, but those born in December 1962 are considered 39 years old. Tables that refer to physicians' age in 2000 are based on ages as of 11/30/00.

### **2. “Main” Specialty And “Main” County (Or Other Geographical Area) Determined Independently**

Each provider's main practice specialty and main county of practice are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary specialties and counties are ignored. A provider may practice their main specialty primarily in a county other than their main overall county, but that is ignored in this table.

### **3. Table Excludes Pathologists**

Pathology specialties are excluded from this table. Hours in active pathology practice are not part of our definition of direct patient care, and are not included in any table quantifying patient care (e.g., as FTEs). But note that some practitioners whose main specialty is pathology may also provide some other kind of care that *is* counted as direct patient care.

### **4. Notes Regarding Tables Listing Provider Full Time Equivalents (FTE) And Hours By County (Or Town, Or Other Areas):**

These tables count each provider who provides primary and/or specialty care in that county or area. The same provider may be counted in more than one town, more than one county, and in both the “primary” and “specialty” columns.

Because of this inclusive approach taken in tallying provider across many practice locations, the numbers in the “Total” rows and “Total” columns will generally be less than the sum of the individual rows and columns. This applies to the county totals which sum the town-level provider counts, the state totals which sum the county-level counts, and the “Total” of primary and secondary care combined. Unlike the totals for the counts of providers, however, the numbers listed in the “Total” rows and “Total” columns for the “FTE” and “Hours” statistics *do* equal the sums of the individual items (except for rounding error). The above notes regarding totals apply as well to the “OB/Gyn Care Total” in the tables summarizing Primary Care Physicians.

See also Note 22 regarding the calculation of weekly hours and FTEs.

(note 5 skipped intentionally)

### **6. Obstetrics, Gynecology, and Obstetrics and Gynecology**

“Gynecology Only” is no longer listed separately from “OB/Gyn”.

7. **Population Estimates**

The 2002 population estimates used in this report were prepared for the VT Department of Health by Claritas, Inc. Population used for the 2000 survey are 2000 Census numbers. After the 2000 Census, estimates for 1991-1999 were revised to better reflect actual population trends. These revised intercensal estimates were used in the comparison table on page 4, and will not match reports published prior to 2001.

(notes 8 and 9 skipped intentionally)

10. **Notes Regarding Availability of Care**

The survey queried physicians whether they accept new patients, and whether they participate in Medicaid and Medicare, separately for each site where they practice.

In the table depicting availability of care by specialty, each provider is counted once, in his or her main specialty. A provider is counted as accepting new patients if they accept new patients at any site, and as participating in Medicaid or Medicare if they participate at any site.

In the table depicting availability of care by county, the unit of counting is neither the provider nor the site, but rather the provider - site association. More than one response per provider is tabulated if that provider reported working at more than one site. Each site of each provider is tabulated under the specialty reported, whether or not that is the provider's main specialty.

The following specialties are excluded from the "accept Medicare patients" statistic (both numerator and denominator): all pediatric specialties and subspecialties (including adolescent medicine), maternal and fetal medicine, reproductive endocrinology, child neurology and child and adolescent psychiatry.

11. **Practice Settings Included**

Unlike reports from surveys prior to 2002, where only office-based settings were counted, in this report all settings are included. This is due to the way physicians were asked about settings, which did not allow a distinction between hospital-affiliated outpatient offices and hospital inpatient services. The inclusion of all settings did not seem to make much of a difference in the computed percentages accepting new patients. Nevertheless, these percentages are not precisely comparable with the previous surveys.

12. **Geographical Regions**

States were grouped into the following regions:

**Northeast:**

New England: ME, NH, VT, MA, CT, RI

Mid Atlantic: NY, NJ, PA

**South:**

South Atlantic: DE, MD, DC, VA, WV, NC, SC, GA, FL

East South Central: KY, TN, AL, MS

West South Central: AR, OK, LA, TX

**North Central:**

East North Central: OH, IN, IL, MI, WI

West North Central: MN, IA, MO, ND, SD, NE, KS

**West:**

Mountain: MT, WY, CO, NM, ID, UT, AZ, NV

Pacific: WA, OR, CA, AK, HI

(note 13 skipped intentionally)

14. **Residency by Region**

If there was more than one residency for a physician, each in a different region, then this physician was counted in each region. If more than one residency was listed within the same region, then they are counted as one. The percentages for all the regions within a row may add up to more than 100, due to the multiple residencies.

(notes 15 and 16 skipped intentionally)

17. **Determining UVM Training**

In those cases where a physician reported more than one residency program, if any residency was at UVM (FAHC) then the physician was counted as having completed an UVM residency. In a few cases residency information is available, or school information is available, but not both. These cases **are included** in the last section of the table ("Doctors with *Any Known Training*") along with the doctors for whom both school and residency information are known.

(notes 18 through 21 skipped intentionally)

22. **Patient Care Hours**

"Full Time" is defined here as 40 (or more) hours of direct patient care per week in Vermont, 48 weeks per year. Average weekly hours (and FTEs), based on 48 weeks per year, were computed for providers who reported working more or less than 48 weeks per year. This results in fractional hours, and rounding errors may affect the displayed hours. Thus, in some cases the hours in the "total" columns differ, usually by one hour, from the totals of the hours displayed in the detail columns. Some providers provide additional patient care outside Vermont (not listed), or do some other types of work besides direct patient care. The "Other hrs/wk" column lists average reported hours per week of teaching, administration and research.

40. **Medicaid/New Patients** [See 26 VSA § 1368(a)(17)]**A. Medicaid participation**Do you participate in the Medicaid program? ☐ Yes ☐ No**B. New Medicaid Patients**Are you currently accepting new Medicaid patients? ☐ Yes ☐ No**Part V - Clinical Practice Questions**

Please fill in all of the boxes below that describe your practice as a physician (check all that apply):

- ☐ Active in clinical practice (in direct patient care) in Vermont
- ☐ Active in clinical practice (in direct patient care) outside Vermont
- ☐ Administration
- ☐ Teaching
- ☐ Research
- ☐ Not currently in active practice

Are you currently participating in residency or fellowship training? ☐ Yes ☐ No**BEFORE YOU CONTINUE:**

- Are you active in clinical practice (in direct patient care) in Vermont? If the answer is No, please skip the rest of this section and go to Part VI.
- Are you currently participating in residency or fellowship training? If the answer is Yes, please skip the rest of this section and go to Part VI.

41. What month and year did you start practice of medicine in Vermont (excluding residency/fellowship training)?

M	M	Y	Y	Y	Y

42. For each location in Vermont where you provide patient care, please answer all of the questions:

- If necessary, please describe sites beyond the first 4 on an additional sheet and check this box: ... ☐

A. Town or city (actual location, not mail address):

Site 1:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Site 2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Site 3:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Site 4:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Question	Site 1	Site 2	Site 3	Site 4
B. Number of weeks per year that you spend providing direct patient care at this site: (Full-time is considered to be 48 weeks / year)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Question	Site 1	Site 2	Site 3	Site 4
C. Chose the one description that best fits the practice setting (of each site). (If you provide hospital care to patients who originate from your office or clinic, chose only the setting from which they originate.)				
Community-based practice including associated hospital care (e.g., solo or group office sites, community health center) .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
Hospital-based practice (e.g., emergency rooms, in-patient services, out-patient services, laboratory, etc.) .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
School or college health center .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
Business or work site .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
Extended care/nursing home .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
Other: .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
D. Specialties at each site: Please note the specialty, using the code from the enclosed <b>Specialty Codes List</b> . For each specialty, enter the average number of hours during which you provide direct patient care, including diagnosis, treatment and clinical reporting, in a working week. Include both the ambulatory care hours and hospital care hours of patients originating from this office or clinic. Exclude on-call hours.				
	Site 1	Site 2	Site 3	Site 4
Specialty Code .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
(Specialty name, if code unknown) .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hours per week .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>
Secondary Specialty, if any .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Hours per week in secondary specialty .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>
Tertiary Specialty, if any .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Hours per week in tertiary specialty .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>
E. Please answer each question:	Site 1	Site 2	Site 3	Site 4
I will accept new patients here .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
I participate in Medicaid here .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
I will accept new Medicaid patients here .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
I participate in Medicare here .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
I will accept new Medicare patients here .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....
I work as a <i>locum tenens</i> here .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....	..... <input type="checkbox"/> .....

## SPECIALTY CODES

(primary care specialties in boldface)

0101 Allergy and Immunology	1001 Nuclear Medicine
0102 Clinical & Laboratory Immunology	
	<b>1101 Obstetrics &amp; Gynecology</b>
0201 Anesthesiology	1102 Critical Care Medicine
0202 Critical Care Medicine	1103 Gynecologic Oncology
0203 Pain Management	1104 Maternal & Fetal Medicine
	1105 Reproductive Endocrinology
0301 Colon & Rectal Surgery	
	1201 Ophthalmology
0401 Dermatology	
0402 Dermatopathology	1301 Orthopaedic Surgery
0403 Clinical & Laboratory Dermatology	1302 Hand Surgery
0404 Dermatological Immunology	
	1401 Otolaryngology
0501 Emergency Medicine	1402 Otology/Neurotology
0502 Medical Toxicology	1403 Pediatric Otolaryngology
0503 Pediatric Emergency Medicine	
0504 Sports Medicine	
	1501 Anatomic & Clinical Pathology
<b>0601 Family Practice</b>	1502 Anatomic Pathology
<b>0602 Geriatric Medicine</b>	1503 Clinical Pathology
0603 Sports Medicine	1504 Blood Banking/Transfusion Medicine
	1505 Chemical Pathology
	1506 Cytopathology
<b>0701 Internal Medicine</b>	1507 Dermatopathology
<b>0702 Adolescent Medicine</b>	1508 Forensic Pathology
0703 Cardiac Electrophysiology	1509 Hematology
0704 Cardiovascular Disease	1510 Immunopathology
0705 Critical Care Medicine	1511 Medical Microbiology
0706 Clinical & Laboratory Immunology	1512 Neuropathology
0707 Endocrinology Diabetes & Metabolism	1513 Pediatric Pathology
0708 Gastroenterology	
<b>0709 Geriatric Medicine</b>	
0710 Hematology	<b>1601 Pediatrics</b>
0711 Infectious Disease	<b>1602 Adolescent Medicine</b>
0712 Medical Oncology	1603 Clinical & Laboratory Immunology
0713 Nephrology	1604 Medical Toxicology
0714 Pulmonary Disease	1605 Neonatal-Perinatal Medicine
0715 Rheumatology	1606 Pediatric Cardiology
0716 Sports Medicine	1607 Pediatric Critical Care Medicine
	1608 Pediatric Emergency Medicine
0801 Medical Genetics	1609 Pediatric Endocrinology
0802 Clinical Biochemical Genetics	1610 Pediatric Gastroenterology
0803 Clinical Biochemical/Molecular Genetics	1611 Pediatric Hematology-Oncology
0804 Clinical Cytogenetics	1612 Pediatric Infectious Disease
0805 Clinical Genetics (Md)	1613 Pediatric Nephrology
0806 Clinical Molecular Genetics	1614 Pediatric Pulmonology
	1615 Pediatric Rheumatology
0901 Neurological Surgery	1616 Pediatric Sports Medicine
0902 Critical Care Medicine	1617 Children With Special Health Needs

CODES CONTINUED ON BACK

## SPECIALTY CODES

(primary care specialties in boldface)

1701 Physical Medicine & Rehabilitation	4001 Abdominal Surgery
1801 Plastic Surgery	4002 Acupuncture
1802 Hand Surgery	4003 Addiction Medicine
	4004 Adult Reconstructive Orthopedics
	4005 Allergy
1901 Preventive Medicine	
1902 Aerospace Medicine	4006 Cardiovascular Surgery
1903 Occupational Medicine	4007 Clinical Pharmacology
1904 Public Health & General Preventive	4008 Diabetes
1905 Medical Toxicology	
1906 Underseas Medicine	4009 Facial Plastic Surgery
Psychiatry & Neurology	<b>4010 General Practice</b>
(Board Name - Not A Specialty)	<b>4011 Gynecology</b>
2001 Psychiatry	
2002 Neurology	4012 Head & Neck Surgery
2003 Neurology With Special Qualifications	4013 Hepatology
In Child Neurology	4014 Homeopathic Medicine
2004 Addiction Psychiatry	4015 Immunology
2005 Child & Adolescent Psychiatry	
2006 Forensic Psychiatry	4016 Legal Medicine
2007 Geriatric Psychiatry	4017 Musculoskeletal Oncology
2008 Clinical Neurophysiology	4018 Neuroradiology
	4019 Nutrition
2101 Radiology	<b>4020 Obstetrics</b>
2102 Diagnostic Radiology	
2103 Radiation Oncology	4021 Oral & Maxillofacial Surgery
2104 Radiological Physics	4022 Orthopedic Surgery Of The Spine
2105 Nuclear Radiology	4023 Orthopedic Trauma
2106 Pediatric Radiology	4024 Pain Medicine
2107 Vascular & Interventional Radiology	4025 Pediatric Allergy
2201 Surgery	
2202 Surgery Of The Hand	4026 Pediatric Ophthalmology
2203 Pediatric Surgery	4027 Pediatric Orthopedics
2204 Surgical Critical Care	4028 Pediatric Surgery (Neurology)
2205 General Vascular Surgery	4029 Pediatric Urology
	4030 Psychoanalysis
2301 Thoracic Surgery	
2401 Urology	4031 Radioisotopic Pathology
	4032 Sports Medicine (Orthopedic Surgery)
<b>3201 General Osteopathic Medicine</b>	4033 Traumatic Surgery
	4034 Sleep Medicine
	9001 Rotating Internship (Residency)
	9999 Other - Please Specify

CODES CONTINUED ON FRONT



# Vermont Town and County Boundaries

**Hospital Service Areas (HSAs)**  
**Based on 1997-2001 Immediate Care Inpatient Discharges**

